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CHARTER,  
SUPPLEMENTAL CHARTER,  
BY-LAWS,  
AND  
LIST OF MEMBERS  
OF

The Institution of Civil Engineers.

ESTABLISHED JANUARY 2, 1818.—INCORPORATED BY ROYAL CHARTER JUNE 3, 1828.

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## CHARTER.



## C H A R T E R

OF

## The Institution of Civil Engineers.

INCORPORATED JUNE 3, 1828.

GEORGE THE FOURTH, by the Grace of God, of the United Kingdom of Great Britain and Ireland King, Defender of the Faith: To all to whom these Presents shall come, Greeting:

WHEREAS THOMAS TELFORD, of Abingdon Street, in our city of Westminster, Esquire, a Fellow of the Royal Societies of London and Edinburgh, and others of our loving subjects, have formed themselves into a Society for the general advancement of Mechanical Science, and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil Engineer, being the art of directing the great sources of power in Nature for the use and convenience of man, as the means of production and of traffic in states both for external and internal trade, as applied in the construction of roads, bridges, aqueducts, canals, river navigation and docks, for internal intercourse and exchange, and in the construction of ports, harbours, moles, breakwaters and lighthouses, and in the art of navigation by artificial power for the purposes of commerce, and in the construction and adaptation of machinery, and in the drainage of cities and towns: And have subscribed and collected considerable sums of money for those purposes: And We have been besought to grant to them, and to those who shall hereafter become members of the same Society, our Royal Charter of Incorporation, for the purposes aforesaid: Now KNOW YE, that We, being desirous of encouraging a design so laudable

The nature and  
object of the  
Society.

and salutary, of our especial grace, certain knowledge, and mere motion, have willed, granted, and declared: And do by these presents, for us, our heirs and successors, will, grant, and declare, that the said THOMAS TELFORD, and such others of our loving subjects as have formed themselves into, and are now members of the said Society, or who shall at any time hereafter become members thereof, according to such regulations or by-laws as shall be hereafter framed or enacted, shall, by virtue of these presents, be the members of, and form one Body Politic and Corporate, for the purposes aforesaid, by the name of "THE INSTITUTION OF CIVIL ENGINEERS;" by which name they shall have perpetual succession, and a common seal, with full power and authority to alter, vary, break, and renew the same, at their discretion: and by the same name to sue, and be sued, implead, and be impleaded, answer, and be answered unto, in every court of us, our heirs and successors; and be for ever able and capable in the law, to purchase, receive, possess, and enjoy to them and their successors, any goods and chattels whatsoever, and also be able and capable in the law (notwithstanding the statutes of mortmain) to take, purchase, possess, hold and enjoy to them and their successors, a Hall, and any messuages, lands, tenements, or hereditaments whatsoever, the yearly value of which, including the site of the said Hall, shall not exceed in the whole the sum of one thousand pounds, computing the same respectively at the rack-rent which might have been had or gotten for the same respectively at the time of the purchase or acquisition thereof; and to act in all the concerns of the said body politic and corporate for the purposes aforesaid, as fully and effectually to all intents, effects, constructions, and purposes whatsoever, as any other of our liege subjects, or any other body politic or corporate in our United Kingdom of Great Britain and Ireland, not being under any disability, might do in their respective concerns. And We do hereby grant our especial licence and authority unto all and every person and persons, bodies politic and corporate (otherwise competent), to grant, sell, alien, and convey in mortmain, unto and to the use of the said Society, and their successors, any messuages, lands, tenements, or hereditaments, not exceeding such annual value as aforesaid.

Name of the  
Society.

And our will and pleasure is, and We further grant and declare, that there shall be a General Meeting of the members of the said body politic and corporate, to be held from time to time, as hereinafter mentioned, and that there shall always be a Council, to direct and manage the concerns of the said body politic and corporate ; and that the General Meetings and the Council shall have the entire direction and management of the same, in the manner, and subject to the regulations, hereinafter mentioned. But our will and pleasure is, that at all General Meetings, and Meetings of the Council, the majority of the members present, and having a right to vote thereat respectively, shall decide upon the matters propounded at such Meetings, the person presiding therein having, in case of an equality of numbers, a second or casting vote. And We do hereby also will, grant, and declare, that the Council shall consist of a President, four Vice-Presidents, and not more than fifteen, nor less than seven other Members, to be elected out of the Members of the said body politic and corporate ; and that the first Members of the Council, exclusive of the President, shall be elected within six calendar months after the date of this our Charter ; and that the said THOMAS TELFORD shall be the first President of the said body politic and corporate. And We do hereby further will, grant, and declare, that it shall be lawful for the Members of the said body politic and corporate, hereby established, to hold General Meetings once in the year, or oftener, for the purposes hereinafter mentioned (viz.) ; That the General Meetings shall choose the President, Vice-Presidents, and other Members of the Council ; that the General Meetings shall make and establish such by-laws as they shall deem to be useful and necessary for the regulation of the said body politic and corporate, for the admission of Members, for the management of the estates, goods and business of the said body politic and corporate, and for fixing and determining the manner of electing the President, Vice-Presidents, and other Members of the Council, and the period of their continuance in office ; as also of electing and appointing a Treasurer, two Auditors, and two Secretaries, and such other officers, attendants, and servants, as shall be deemed necessary or useful for the said body politic and corporate ; and such by-laws

A General Meeting and Council.

The Member presiding at any Meeting shall have a second or casting vote.

Constitution of the Council.

General Meetings to make by-laws and regulations.

Mode of electing Officers to be defined by by-laws.

By-laws may  
be altered.

No by-law to  
be repugnant to  
this Charter.

Council to have  
sole manage-  
ment of the  
funds.

Property  
vested in the  
Members.

No by-laws to  
be made con-  
trary to the  
laws of this  
Realm.

from time to time shall or may alter, vary, or revoke, and shall or may make such new and other by-laws as they shall think most useful and expedient, so that the same be not repugnant to these presents, or to the laws and statutes of this our Realm; and shall and may also enter into any resolution, and make any regulation, respecting any of the affairs and concerns of the said body politic and corporate, that shall be thought necessary and proper. And We further will,

grant, and declare, that the Council shall have the sole management of the income and funds of the said body politic and corporate, and also the entire management and superintendence of all the other affairs and concerns thereof; and shall or may, but not inconsistently with, or contrary to the provisions of this our Charter, or any existing by-law, or the laws and statutes of this our Realm, do all such acts and deeds as shall appear to them necessary or essential to be done, for the purpose of carrying into effect the objects and views of the said body politic and corporate. And We

further will, grant, and declare, that the whole property of the said body politic and corporate shall be vested, and We do hereby vest the same solely and absolutely in the Members thereof, and that they shall have full power and authority to sell, alienate, charge or otherwise dispose of the same, as they shall think proper; but that no sale, mortgage, incumbrance, or other disposition of any messuages, lands, tenements, or hereditaments, belonging to the said body politic and corporate, shall be made, except with the approbation and concurrence of a General Meeting. And We lastly

declare it to be our Royal will and pleasure, that no resolution, or by-law, shall on any account or pretence whatsoever be made by the said body politic and corporate in opposition to the general scope, true intent, and meaning of this our Charter, or the laws or statutes of our Realm; and that if any such rule or by-law shall be made, the same shall be absolutely null and void, to all intents, effects, constructions, and purposes whatsoever. In witness whereof We have caused these our Letters to be made Patent. Witness Ourselv<sup>e</sup> at our Palace of Westminster, this third day of June, in the ninth year of our reign.

By Writ of Privy Seal.

SCOTT.

SUPPLEMENTAL CHARTER.



## SUPPLEMENTAL CHARTER.

*August 3, 1887.*

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VICTORIA, by the Grace of God, of the United Kingdom of Great Britain and Ireland Queen, Defender of the Faith: To all to whom these presents shall come, Greeting:

WHEREAS the body politic and corporate of THE INSTITUTION OF CIVIL ENGINEERS was incorporated under or by virtue of a certain Charter or Letters Patent bearing date at Westminster the 3rd day of June in the ninth year of the Reign of King George the Fourth, and the said Institution is now regulated and governed by and according to the provisions of the said Charter or Letters Patent, and also by or according to certain by-laws and regulations made by the said Institution: AND WHEREAS by the said Charter or Letters Patent the said Institution has full power and authority *inter alia* to be able and capable in the law (notwithstanding the statutes of mortmain) to take, purchase, possess, hold and enjoy to them and their successors a Hall, and any messuages, lands, tenements or hereditaments whatsoever, the yearly value of which, including the site of the said Hall, shall not exceed in the whole the sum of one thousand pounds, computing the same respectively at the rack-rent which might have been had or gotten for the same respectively at the time of the purchase or acquisition thereof: AND WHEREAS the said Institution presented their humble petition to us, alleging, *inter alia*, as follows:

"At the time the said Charter was granted the number of members of all classes was 156, and the income for that year was £446 16s.; the number of members of all classes on the 3rd of June, 1886, was 5,174, and the total annual receipts of the said Institution for the past year were £19,945. The premises now

occupied by the Institution are situate at No. 25 Great George Street, Westminster, and the Institution entered into possession of them at Christmas 1839. The said premises have become and are totally inadequate for the accommodation now required: It is therefore in contemplation to acquire additional property adjoining the said premises for the extension thereof. The powers of the Charter as to holding land have become exhausted, and the Institution are therefore desirous that the yearly value of the property to be held by them should be extended to the sum of £10,000 at the time of purchase."

Therefore the petitioners most humbly supplicated Us to grant Our Royal Charter, enlarging the Charter of Incorporation for the purpose of empowering the Institution to purchase and hold messuages, lands, tenements and hereditaments of a yearly value not exceeding at the time of purchase the sum of £10,000.

Now know ye, that We, taking the premises into Our Royal consideration of Our especial grace, certain knowledge and mere motion, have granted, constituted and appointed, and by these presents for Us, Our heirs and successors, do grant, constitute and appoint as follows, that is to say:—

1. That the powers of the Institution of Civil Engineers notwithstanding the Statutes of Mortmain, to take purchase, possess, hold and enjoy to them and their successors, a Hall, and any messuages, tenements or hereditaments whatsoever, the yearly value whereof was not to exceed the yearly value in the said Charter mentioned, and the powers unto all and every person and persons, bodies politic and corporate (otherwise competent), to grant, sell, alien, and convey in mortmain, unto and to the use of the said Society, and their successors, any messuages, lands, tenements or hereditaments, not exceeding the yearly value therein mentioned, shall be and are hereby extended, so that the yearly value of the Hall, messuages, lands, tenements and hereditaments, acquired or to be acquired

under the said Charter and this Charter, shall not exceed £8,000, computing the same respectively at the rack-rent which might have been had or gotten for the same respectively at the time of the purchase or acquisition thereof: PROVIDED, that such messuages, tenements or hereditaments shall be aliened, taken and held by the said Institution to be used and enjoyed solely for the purposes thereof and not otherwise.

2. And We do hereby, for Us, Our heirs and successors, grant and declare that these Our Letters Patent, or the enrolment or exemplification thereof, shall be in all things valid and effectual in law according to the true intent and meaning of the same, and shall be construed and adjudged in the most favourable and beneficial sense for the best advantage of the said Institution, as well in Our Courts as elsewhere, notwithstanding any recital, misrecital, uncertainty or imperfection in these Our Letters Patent.

IN WITNESS whereof We have caused these Our Letters to be made Patent. Witness ourself at Westminster the 3rd day of August, in the fifty-first year of Our Reign.

By Warrant under the Queen's Sign Manual,

MUIR MACKENZIE.





## BY-LAWS AND REGULATIONS.



BY-LAWS AND REGULATIONS  
OF  
The Institution of Civil Engineers,  
AS AMENDED APRIL 28, 1885.

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SECTION I.

OBJECTS.

THE INSTITUTION OF CIVIL ENGINEERS was first established, and has since been incorporated by Royal Charter, for the general advancement of Mechanical Science, and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil Engineer.

SECTION II.

CONSTITUTION.

1. THE INSTITUTION OF CIVIL ENGINEERS shall consist of Members, of such Associates as are hereinafter declared to be entitled to the privileges of Corporate Membership, and of Honorary Members. All such Members, Associates, and Honorary Members may hereafter be referred to as Corporate Members. The Institution may also have attached to it Associates who are not entitled to the privileges of Corporate Membership, and Students.

2. MEMBERS shall comprise every person, other than an Associate or an Honorary Member, who on the 2nd of December, 1878, was on the Register as a Member; and every person thereafter elected or transferred into the class of Members. Every Candidate for election or transfer into the class of Members shall be more than twenty-five years of age, and come within one of the following conditions:—

He shall have been regularly educated as a Civil Engineer according to the usual routine of pupilage, and have had sub-

sequent employment for at least five years, and shall be actually engaged at the time of his application for election, in responsible situations as Resident Engineer, or otherwise, in some of the branches defined by the Charter as constituting the profession of a Civil Engineer ; or,

He shall have practised on his own account in the profession of a Civil Engineer for at least five years, and shall have acquired a considerable degree of eminence in the same.

3. ASSOCIATES shall be divided into those who are and those who are not entitled to the privileges of Corporate Membership.

4. ASSOCIATES ENTITLED TO THE PRIVILEGES OF CORPORATE MEMBERSHIP shall comprise every person who, on the 2nd of December, 1878, was on the Register as an Associate, and every person thereafter elected into the class of Associates entitled to the privileges of Corporate Membership.

Every candidate for election into the class of Associates entitled to the privileges of Corporate Membership shall be more than twenty-five years of age, shall have been regularly educated as a Civil Engineer, and shall be actually engaged at the time of his application for election, in the design or in the construction of such works as are comprised within the profession of a Civil Engineer as defined by the Charter ; or,

He shall satisfy the Council that he has had a sufficient training, and that he has been engaged for at least five years and that he is actually engaged at the time of his application for election, in the design or in the construction of such works as are comprised within the profession of a Civil Engineer as defined by the Charter.

5. Candidates for election into the class of Associates not entitled to the privileges of Corporate Membership shall be persons of more than twenty-five years of age, who are not Civil Engineers by profession, but whose pursuits constitute branches of Engineering, or who by their connection with Science or the Arts, or otherwise, are qualified to concur with Civil Engineers in the advancement of professional knowledge.

6. HONORARY MEMBERS shall be either distinguished individuals, who from their position are enabled to render assistance in the prosecution of public works, or persons eminent for science and experience in pursuits connected with the profession of a Civil Engineer, but who are not engaged in the

practice of that profession in the United Kingdom or its dependencies.

All persons who at the date of the passing of these By-Laws are on the Register as Honorary Members shall continue to be such.

7. STUDENTS shall be persons not under eighteen years of age, who are, or have been, pupils of Corporate Members of the Institution, and who have the object or intention of becoming engaged in the design or in the construction of such works as are comprised within the profession of a Civil Engineer as defined by the Charter; and such persons may continue Students until they attain the age of twenty-six years, but not longer.

8. The Officers of the Institution shall be a President, four Vice-Presidents, and fifteen other members of Council, being twenty persons, who shall constitute the Council to direct and manage the concerns of the Institution; also two Auditors of Accounts, a Treasurer, and two Secretaries. Such Officers shall be elected or appointed annually in manner hereinafter directed.

9. Any Member, Associate being a Corporate Member, Associate, Honorary Member, or Student, having occasion to designate himself as belonging to the Institution, shall state the class to which he belongs, according to the following abbreviated forms, *viz.* M. Inst. C.E., Assoc. M. Inst. C.E., Assoc. Inst. C.E., Hon. M. Inst. C.E., Stud. Inst. C.E.: it being understood that those Associates on the Register on the 2nd of December, 1878, who are Civil Engineers by profession, and those Associates thereafter elected to the privileges of Corporate Membership, shall alone be entitled to use the abbreviated form Assoc. M. Inst. C.E.

### SECTION III.

#### ELECTION, TRANSFER AND EXPULSION OF MEMBERS, ASSOCIATES AND HONORARY MEMBERS.

1. Any person desirous of being elected a Member, Associate, or Honorary Member, must be proposed and recommended according to the Form A. in the Appendix, in which the name, usual residence, and qualifications of the candidate shall be distinctly specified. This Form must be signed by at least

six Corporate Members certifying a personal knowledge of the candidate, and a full conviction of his qualifications.

2. The proposal so made, being delivered to the Secretary, shall be submitted to the Council, who, on approving the qualifications, shall determine the class for which the candidate is to be presented for ballot. The Chairman of the Council shall sign the proposal, which shall be read at the next Ordinary Meeting of the Institution, and be placed in some conspicuous situation until the candidate is balloted for, and six clear days shall elapse between the reading of the proposal and the Ballot.

3. Any person whose proposal has been passed by the Council shall be duly informed of it by a letter, according to Form C., enclosing an engagement (Form D.); and he shall not be put up for ballot until he shall have returned the engagement (Form D.), with his signature appended.

4. Ballots shall take place at the first Ordinary Meeting of the Institution in the month of December in each year, and at the first Meeting in each ensuing month during the Session, and at the last Meeting but one in the Session. Only Corporate Members have the right of voting.

5. Every candidate shall be declared to be elected unless there be at least one negative vote for every four affirmative votes.

6. In any election a second ballot shall be granted, at the same Meeting, if it be demanded immediately by any three persons present having a right to vote.

7. In case of the non-election of any person balloted for no notice shall be taken thereof on the minutes.

8. The proposal for transferring any person from the class of Associates entitled to the privileges of Corporate Membership to the class of Members shall be according to Form B. in the Appendix. This form being subscribed by at least ten Corporate Members, and delivered to the Secretary, shall be submitted to the Council, who, subject to the conditions hereinbefore set forth, may, if they think fit, make the proposed transfer.

9. Any person duly elected a Member, Associate, or Honorary Member, or transferred from one class to another, shall be informed thereof without delay, by a letter, according to the Form E., enclosing a promise (Form F.), which promise the person elected or transferred must sign and return to the Secre-

tary, and he must pay the admission fee and annual subscription for the current year (or the increase thereof in case of transfer) within two months after the date of his election or transfer which otherwise shall become void ; but the Council may in particular cases extend the time.

10. Every individual elected, and having signed the Form F. in the Appendix, and the Register of the Institution, and having likewise made the proper payments, shall receive the diploma of his election. At the first Ordinary Meeting at which he is present, he shall, after having fulfilled the foregoing requirements, be introduced according to the ensuing form: *viz.* the President or Chairman of the Meeting, addressing him by name, shall say, "As President (or as Chairman of this Meeting) " of THE INSTITUTION OF CIVIL ENGINEERS, I introduce Mr. "A. B. as a Member, Associate, or Honorary Member (as the case may be)."

11. In case the expulsion of any Member, Associate, or Honorary Member, shall be judged expedient by twenty Corporate Members, and they think fit to draw up and sign a proposal requiring such expulsion, the same being delivered to the Secretary, shall be by him laid before the Council for consideration. If the Council, after due inquiry, do not find reason to concur in the proposal, no entry thereof shall be made in any Minutes, nor shall any public discussion thereon be permitted ; but if the Council do find good reason for the proposed expulsion, they shall direct the Secretary to address a letter, according to the Form G. in the Appendix, to the person proposed to be expelled, advising him to withdraw from the Institution. If that advice be followed, no entry shall be made on the Minutes, nor any public discussion on the subject be permitted ; but if that advice be not followed, nor a satisfactory explanation given, the Council shall call a Special General Meeting of Corporate Members for the purpose of deciding on the question of expulsion ; and if a majority of the persons present at such Special General Meeting, provided the number so present be not less than fifty, vote that such individual be expelled, the Chairman of that Meeting shall declare the same accordingly, and the Secretary shall communicate the same to the individual according to the Form H. in the Appendix.

## SECTION IV.

## ADMISSION AND PRIVILEGES OF STUDENTS.

1. Students may be admitted by the Council on the recommendation (according to Form A 2 in the Appendix) of the Corporate Member under whom they are, or have been, pupils; and they may remain Students of the Institution, at and during the pleasure of the Council, until they attain the age of twenty-six years, when they shall cease to be Students.

2. Any person admitted as a Student shall be informed thereof by letter (according to the Form E 1 in the Appendix) stating that the first year's subscription must be paid within two months, otherwise the admission will be void. When the first subscription shall have been paid he shall be entitled to attend the Ordinary Meetings, but not to vote at such Meetings, and to have the use of the Library (subject to such regulations as the Council may from time to time prescribe), as well as to receive a copy of the Minutes of Proceedings relating to each session during which he shall continue to be a Student.

3. Students of the Institution are eligible to compete for the premiums or prizes arising out of the "Miller Fund," and any other funds devoted by the Institution, or by any person or persons, for premiums or prizes for Students.

4. The Council may accord to Students other privileges, but subject to such terms, regulations, and restrictions, as they shall from time to time prescribe.

5. No Student will be allowed to introduce a stranger into the rooms of the Institution.

## SECTION V.

## CONTRIBUTIONS TO THE FUNDS.

1. Those Members, Associates, and Students, whose place of business or whose residence is within ten miles of the General Post Office, shall be considered Residents, and those beyond such limits Non-Residents.

2. On change of place of business or of residence, so as to go beyond or come within those limits before each annual contribution becomes due, the amount thereof shall vary accordingly.

3. Each resident Member shall pay four guineas, and each non-resident Member three guineas, per annum.

4. Each resident Associate shall pay three guineas, and each non-resident Associate two guineas and a half, per annum.

5. Each resident Student shall pay two guineas, and each non-resident Student one guinea and a half, per annum.

6. Every new Member and Associate shall on admission to the Institution pay a fee of ten guineas; but no payment, other than the increased annual subscription, shall be due from an Associate on his transfer to Membership.

7. Any Member, or Associate, whose subscription is not in arrears, may, if resident in the United Kingdom, compound for future annual subscriptions by the payment of fifty guineas. Any Member, or Associate, residing abroad, may compound by the payment of twenty-five guineas; but should he come to reside in the United Kingdom, he shall pay the remainder of the composition, *viz.*, twenty-five guineas, or the usual annual subscription during such residence. All such compositions shall be invested, and the interest alone shall be appropriated to the current expenditure of the Institution, except by special direction of the Council on the report and recommendation of the Finance Committee.

8. All annual subscriptions are due on the first of January in each year for the year then commencing, and must be paid before the first of April of that year; any Member, Associate, or Student, whose subscription is in arrear shall not be entitled to attend any Meeting. The subscription of any Member or Associate, elected at the Ballot in December, shall become due on the first of January next ensuing: and the subscription of any Student admitted in the month of November or December shall become due on the first of January next ensuing.

9. Every individual elected a Member, or Associate, and every Student, shall be liable for the payment of his annual subscriptions, until he has signified to the Secretary, in writing, his desire to resign, having previously paid all arrears, or until he has forfeited his right to remain in, or to be attached to, the Institution.

10. Any person whose subscription is two years in arrear, that is to say, whose arrears and current subscription shall not have been paid on or before the first of April, shall be reported

to the Council, who shall direct application to be made to him according to Form I.; and in the event of its continuing one month in arrear, after such application, the Council shall have the power, after suitable remonstrance, by letter, in the form so provided (Form K.), of erasing the name of the defaulter from the Register or lists of the Institution.

11. In the case of any Corporate Member who has been long distinguished in his professional career, but who, from ill health, advanced age, or other sufficient cause, does not continue to carry on a lucrative practice, the Council, if they find good reason for the remission of the annual subscription, may so remit it. Also they may remit any arrears which are due from such an individual; or may accept a collection of books, or drawings, or models, or such other contribution as, in their opinion, under the circumstances of the case, may entitle the person to be enrolled as a Life Subscriber, or to enable him to resume his former rank in the Institution which may have been in abeyance from any particular cause. These cases must be considered and reported upon to the Council by a Committee appointed by the Council for the purpose.

## SECTION VI.

### ELECTION OF COUNCIL AND OFFICERS.

1. The President, the four Vice-Presidents, and the fifteen other members of Council, shall be elected annually.

2. At the Ordinary Meeting next but one before the Annual General Meeting, the Council shall present a list of persons whom they nominate as suitable for the offices of President, Vice-Presidents, and other Members of Council for the ensuing year. The list shall contain the names of at least twenty-nine Corporate Members, and shall be the balloting list for the annual election on the last Tuesday in May, unless that Tuesday shall be Whitsun Tuesday, in which case the annual election shall take place on the first Tuesday in June. The names of persons proposed for the Council—other than the President and the four Vice-Presidents—shall all be printed in the same character of type, and in alphabetical order.

No person shall be nominated for the office of President more than two years consecutively, and at the expiration of

such two years he shall not for a period of three years be eligible to be nominated for that office.

The senior Vice-President in duration of office shall be nominated for President, except he give notice to the Council, at least one month previously, of his intention to decline accepting office.

In case of the decease or resignation of the President, the Council shall be empowered to summon a Special General Meeting of Corporate Members who shall proceed to the nomination and election of a President, the senior Vice-President being nominated as above provided.

3. At the Annual election, each Corporate Member may erase any name or names from the balloting list, and may substitute the name or names of any other person or persons eligible for each respective office; but the number of names on the list, after such erasure or substitution, must be, without the repetition of any of them, the number to be elected to the respective offices as above enumerated. Those lists which do not accord with these directions shall be rejected by the Scrutineers.

4. Previous to the commencement of balloting for the Council, the Meeting shall choose two or more competent persons as Scrutineers, who shall receive the votes. The ballot shall commence not sooner than eight o'clock, and shall continue open for one hour.

5. The two Auditors shall be elected or appointed by the Annual General Meeting.

6. The Treasurer and Secretaries shall be appointed annually by the Council.

## SECTION VII.

### THE PRESIDENT.

The President shall take the chair at all Meetings of the Institution, the Council, and the Committees, at which he is present, and shall regulate and keep order in the proceedings.

## SECTION VIII.

### THE VICE-PRESIDENTS.

In the absence of the President, it shall be the duty of the Vice-Presidents to preside in rotation at the Meetings of the

Institution, and to regulate and keep order in the proceedings. But in case of the absence of the President and of all the Vice-Presidents, the Meeting may elect any member of Council, or, in case of their absence, any Corporate Member present, to take the chair at the Meeting.

## SECTION IX.

### THE COUNCIL.

1. The Council to be elected, according to the provisions of Section VI., shall consist of the President, the four Vice-Presidents, and fifteen other Corporate Members.

2. The direction and management of the concerns of the Institution are vested in the Council, under the control of the Charter, By-Laws and Regulations, and of all Resolutions of Special General Meetings of Corporate Members, which have been duly summoned and held in accordance with the Charter and By-Laws, when such Resolutions have been duly entered on the Minutes, and signed by the Chairmen of the Meetings.

3. The Council shall meet as often as the business of the Institution may require; and at every Meeting three shall constitute a quorum. The Council may appoint Committees, for special purposes, to report to the Council.

4. All questions shall be decided in the Council by vote; but at the desire, expressed in writing, of any two members present, the determination of any subject shall be postponed to the succeeding Meeting.

5. A statement of the funds of the Institution, and of the receipts and payments during the past year, terminating on the 31st of March, shall be made, under the direction of the Council, and, after having been verified and signed by the Auditors, shall be laid before the Annual General Meeting.

6. The Council shall draw up a yearly Report on the state of the Institution, which shall be read at the Annual General Meeting.

7. It shall be the duty of the Council to adopt every possible means for the advancement of the Institution; to provide for properly conducting the business of the Institution in all cases of emergency, as the death or resignation of officers; and to

arrange for the publication of the Papers read at the Meetings, and of such documents as may be calculated to advance professional knowledge.

#### SECTION X.

##### THE TREASURER AND THE TWO AUDITORS.

1. The Treasurer shall be a Banker in the Metropolis, with whom all uninvested money belonging to the Institution shall be deposited by the Council on account and for the use of the Institution.

2. No sum of money payable on account of the Institution, amounting to five pounds and upwards, shall be paid except by order of the Council, signed by the Chairman of the Meeting at which the cheque was ordered, and by two other members of Council, and countersigned by the Secretary.

3. The Auditors shall have access at all reasonable times to the Accounts of the pecuniary transactions of the Institution ; and they shall verify and sign the annual statement of the Accounts before it is submitted by the Council to the Annual General Meeting.

#### SECTION XI.

##### THE SECRETARIES.

1. The Secretaries of whom one shall be Honorary, and the other or acting Secretary shall be designated as the Secretary, shall be appointed every year by the Council, at the first Meeting of the Council after the Annual General Meeting.

2. It shall be the duty of the Secretary, under the direction of the Council, to conduct the correspondence of the Institution ; to attend all Meetings of the Institution, and of the Council, and of Committees ; to take Minutes of the proceedings of such Meetings ; to read the Minutes of the preceding Meeting and all communications that may be ordered to be read ; to superintend the publication of such Papers as the Council may direct ; to have charge of the Library ; to direct the collection of the subscriptions and the preparation of the account of the expenditure of the funds, and to present all accounts to the Council

for inspection and approval. He shall also engage and be responsible for all persons employed under him, and shall generally conduct the ordinary business of the Institution.

## SECTION XII.

### THE SESSIONS AND MEETINGS.

1. The Session of the Institution shall commence annually on the second Tuesday in November, and shall continue till the end of May, but in case the last Tuesday in May shall be Whitsun Tuesday, then (as hereinbefore and as hereinafter stated) for the purpose of holding the Annual General Meeting, it shall continue till the first Tuesday in June; and it shall be in the power of the Council to protract the Session, if it appear advisable.

2. The Meetings of the Institution shall be as follows:—  
1st, the Annual General Meeting of Corporate Members only.  
2nd, Ordinary Meetings. 3rd, Special General Meetings of Corporate Members only, for the purpose of making, altering, and establishing By-laws and Regulations, or for any other special business for which such Meetings may be convened.

3. The Annual General Meeting of the Institution shall be held on the last Tuesday in May, unless that Tuesday shall be Whitsun Tuesday, in which case it shall be held on the first Tuesday in June, at eight o'clock in the evening, to receive and deliberate upon the Report of the Council on the state of the Institution, with the annual statement of the Accounts, and to elect the Council and Officers for the ensuing year.

4. The Ordinary Meetings shall be held on every Tuesday, during the Session, at eight o'clock in the evening, with the exception of the Tuesdays between the Tuesday previous to Christmas Eve and the second Tuesday in January, and also with the exception of Easter Tuesday and Whitsun Tuesday; but it shall be in the power of any Ordinary Meeting, on the recommendation of the Council, to make such other exceptions as may appear advisable. No new question shall be introduced, or motion be made, after ten o'clock.

5. The business of the Ordinary Meetings of the Institution

shall be conducted as nearly as possible in the following order:—

1. The Minutes of the preceding meeting to be read, and after having been confirmed, to be signed by the Chairman.
  2. Business arising out of the Minutes to be entered on.
  3. Communications from the Council to be brought forward.
  4. Candidates for election to be announced.
  5. Any individual present for the first time since his election, having paid the usual contributions, and signed the Forms and the Register, to be introduced by the Chairman to the Meeting.
  6. Original Communications to be read and discussed.
  7. Candidates for election to be balloted for.
6. Every Corporate Member shall have the privilege of introducing one stranger, to be present at the Ordinary Meetings of the Institution, on writing his name in a book provided for that purpose, or sending with him a card signed with his name, according to a Form provided.
7. No question shall be discussed, or motion be made, at the Ordinary Meetings, relative to the direction and management of the concerns of the Institution ; such direction and management being vested in the Council, under the control of the Charter and By-Laws, and of the Resolutions of Special General Meetings.
8. The Council may at any time call a Special General Meeting of Corporate Members for a specific purpose relative to the direction and management of the concerns of the Institution ; and the Council are at all times bound to do so on a requisition in writing of twenty Corporate Members, specifying the nature of the business to be transacted.
9. A notice shall be sent to those Corporate Members who reside in the United Kingdom, at least seven days before the time appointed by the Council for such Special General Meeting ; and the notice shall specify the nature of the business to be transacted, and no other than that business shall be transacted at that Meeting. All Corporate Members shall have a right, subject to the provision of Section V., Article 8, to attend and vote, and fifty shall constitute a quorum.

## SECTION XIII.

## OTHER SOCIETIES AND LECTURES.

1. The Council shall have power to grant from time to time, as they may think fit, the use of the rooms of the Institution to any Society for purposes analogous to those of the Institution, and to any persons who may be desirous of having Lectures delivered on subjects connected with the objects of the Institution.

## SECTION XIV.

## ENACTMENT OF BY-LAWS AND REGULATIONS.

1. The Council, when they may consider it expedient to propose the enactment of any new By-Law or Regulation, or the alteration or repeal of any existing one, shall summon a Special General Meeting of Corporate Members to decide on the same. And the Council are at all times bound to do so on a requisition in writing of twenty Corporate Members, specifying the particular new By-Law or Regulation, or the alteration or repeal of any existing one, which they recommend.

2. A notice shall be sent to those Corporate Members who reside in the United Kingdom, at least seven days before the time appointed by the Council for such Special General Meeting. The notice shall state the general tenour and objects of any new By-Law or Regulation or the alteration or repeal of any existing one, which is to be proposed and discussed ; and the business of the Meeting shall be limited thereto. All the Corporate Members of the Institution (but none other than Corporate Members) shall have a right, subject to the provision of Section V., Article 8, to attend and vote, and fifty shall constitute a quorum.

3. No new By-Law or Regulation, or alteration or repeal of any existing By-Law or Regulation, shall be proposed at any Meeting of the Institution, except in the manner above prescribed.

4. It shall be sufficient in all cases if the Forms in the Appendix are substantially followed, and no act or proceeding shall be invalid by reason of any formal defect.

## SECTION XV.

## THE PROPERTY OF THE INSTITUTION.

1. The property and effects of the Institution, of what kind soever, are vested in the Corporate Members for the time being, for the use of the body politic and corporate solely, in furtherance of the public and scientific objects contemplated in the Charter.

2. Under no pretence whatever shall such property and effects, or the income or revenue of the Institution, derived from voluntary contributions or otherwise howsoever, be applied in making any dividend, gift, division, or bonus, unto or between any of the Corporate Members, and the same is hereby expressly prohibited, in conformity with the fundamental law and invariable practice of the Institution, as acted upon from its first establishment ; and therefore no proposition in contravention thereof shall be entertained by the Council, or by any Meeting, whether General or Special, of the Corporate Members of the Institution.

3. Every Paper, Map, Plan, Drawing, or Model, presented to the Institution, shall be considered the property thereof, unless there shall have been some previous arrangement to the contrary, and the Council may publish the same in any way and at any time they may think proper. But should the Council refuse or delay the publication of such Paper beyond a reasonable time, the Author thereof shall have a right to copy the same, and to publish it as he may think fit, having previously given notice, in writing, to the Secretary of his intention. Except as hereinbefore provided, no person shall publish, or give his consent for the publication of any communication presented and belonging to the Institution, without the previous consent of the Council.

4. The Library shall be open daily to all Members, Associates, Honorary Members, and Students, from 9.30 A.M. to 5.30 P.M., when they shall have the right to peruse and inspect all Books, Papers, Plans, Maps, &c., belonging to the Institution, and to make copies and extracts therefrom (doing no injury to the same), with the exception of such documents as the Council shall order not to be inspected or copied ; but none of the

property of the Institution shall be taken away from the premises without the express permission of the Council.

## SECTION XVI.

### DONATIONS AND BEQUESTS.

1. The names of all persons who have presented any additions to the Library, or to the collections of Plans and Models, or who have made any voluntary contribution to the funds of the Institution, shall be recorded and published as benefactors to the Institution.

2. Every person desirous of bequeathing to the Institution any Manuscripts, Books, Maps, Plans, Drawings, Instruments, or other personal property, is requested to make use of the following form in his will :

“ I give and bequeath to THE INSTITUTION OF CIVIL  
“ ENGINEERS, incorporated by Royal Charter, dated June  
“ the 3rd, 1828, [here enumerate and particularize the  
“ effects or property to be bequeathed:] And I hereby  
“ declare that the receipt of the Treasurer of the said  
“ Institution for the time being shall be an effectual dis-  
“ charge to my executors for the said legacy or bequest.”

## APPENDIX TO THE BY-LAWS.



A P P E N D I X,  
CONTAINING FORMS REFERRED TO  
IN  
THE BY-LAWS.

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FORM A.

A \_\_\_\_\_ B \_\_\_\_\_ of \_\_\_\_\_  
 being upwards of twenty-five years of age, born on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_\_, and being desirous of belonging to THE INSTITUTION OF CIVIL ENGINEERS, I recommend him, from PERSONAL KNOWLEDGE, as in every respect worthy of that distinction, because

*[Here specify distinctly the Qualifications of the Candidate according to the spirit of Articles 2, 4, 5 and 6, Sect. II. of the By-Laws.]*

On the above grounds, I beg leave to propose him to the Council as a proper person to belong to the Institution.

Signed, (A. B.) *Corporate Member.*

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18 \_\_\_\_.

We, the undersigned, concur in the above recommendation from personal knowledge, and being fully convinced that A. B. is in every respect a proper person to belong to the Institution.

Signed, \_\_\_\_\_

The Council, having considered the above recommendation, present A. B. to be balloted for as \_\_\_\_\_ of THE INSTITUTION OF CIVIL ENGINEERS.

Signed, \_\_\_\_\_  
*Chairman.*

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18 \_\_\_\_.

## FORM A 2.

(STUDENT.)

A \_\_\_\_\_ B \_\_\_\_\_ of \_\_\_\_\_  
 \_\_\_\_\_ born on the \_\_\_\_\_ day  
 of \_\_\_\_\_ 18 \_\_\_, being desirous of admission as a Student of THE  
 INSTITUTION OF CIVIL ENGINEERS, I recommend him, from PERSONAL  
 KNOWLEDGE, as worthy of that privilege, and as coming within the Rules  
 appertaining to that class, viz.: that he is upwards of eighteen years of  
 age, and is under twenty-five years of age, and is, or has been, *bonâ fide*,  
 in the course of preparation and training under me, with the object of  
 becoming engaged in the design or in the construction of such works as  
 are comprised within the profession of a Civil Engineer as defined by the  
 Charter.

\_\_\_\_\_  
 { Signature of the Proposer, who must be a  
 Corporate Member of the Institution.

\_\_\_\_\_  
 Signature of the Candidate.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18 \_\_\_\_\_.  
 The Council, having considered the above recommendation, admit

\_\_\_\_\_ as a Student of THE  
 INSTITUTION OF CIVIL ENGINEERS.

Signed, \_\_\_\_\_  
 Chairman.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 18 \_\_\_\_\_.  
 \_\_\_\_\_

## FORM B.

WE, whose names are hereunto subscribed, submit to the Council  
 of THE INSTITUTION OF CIVIL ENGINEERS the propriety of transferring  
 A \_\_\_\_\_ B \_\_\_\_\_ of \_\_\_\_\_ born on the \_\_\_\_\_  
 day of \_\_\_\_\_ 18 \_\_\_, from the class of Associates entitled to the privileges  
 of Corporate Membership, in which he was elected on the \_\_\_\_\_ day of  
 \_\_\_\_\_ 18 \_\_\_, to the class of MEMBER, because \_\_\_\_\_

[Here specify distinctly the Qualifications of the Candidate according to the  
 spirit of Articles 2 and 4, Sect. II. of the By-Laws.]

Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_ 18 \_\_\_\_\_.  
 Signed,

The Council of THE INSTITUTION OF CIVIL ENGINEERS, meeting on  
 the \_\_\_\_\_ day of \_\_\_\_\_ 18 \_\_\_,  
 transfer A. B. from the class of Associates entitled to the privileges of  
 Corporate Membership to the class of Member.

Signed,  
 Chairman.

## FORM C.

*The Institution of Civil Engineers,*

SIR, \_\_\_\_\_, 18\_\_\_\_.

I beg to inform you that, having been proposed by Mr. \_\_\_\_\_, and seconded by Messrs. \_\_\_\_\_ your name was laid before the Council and passed as \_\_\_\_\_ of the Institution, and was approved by the Ordinary Meeting of the Institution on Tuesday \_\_\_\_\_. Previously, however, to your proposal being submitted to Ballot at the Meeting on Tuesday \_\_\_\_\_ you are required to sign and return the accompanying engagement.

I beg to transmit to you a copy of the Charter, and of the By-Laws and Regulations of the Institution. The result of the Ballot will be communicated to you, immediately after the Meeting.

I am, Sir, &c.

---

## FORM D.

I, the undersigned, being proposed for Ballot as \_\_\_\_\_ of THE INSTITUTION OF CIVIL ENGINEERS, do hereby promise, that, in the event of my election, I will be governed by the Royal Charter of the Institution, and by the By-Laws and Regulations of the said Institution, as they are now formed, or as they may hereafter be altered, amended, or enlarged, under the powers of the said Charter; and I promise to promote the objects of the said Institution as far as shall be in my power, and to attend the meetings thereof as often as I conveniently can. Provided that, whenever I shall signify in writing to the Secretary, that I am desirous of withdrawing my name therefrom, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

I also engage to present to the Institution an Original Communication, drawing, plan, or model of engineering interest, or some scientific work for the library, within the space of twelve months from the date of my election.

Witness my hand, this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_.

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## FORM E.

SIR,

*The Institution of Civil Engineers.*\_\_\_\_\_, 18\_\_\_\_\_.

---

I have the honour to inform you that you were duly made a \_\_\_\_\_ of THE INSTITUTION OF CIVIL ENGINEERS, on the \_\_\_\_\_ day of \_\_\_\_\_.

According to the Regulations of the Institution, you are required as \_\_\_\_\_ to pay \_\_\_\_\_ being your admission fee, and subscription for the current year, and to return the accompanying obligation with your signature, within two months of the date of your election [*or transfer*]; otherwise your election [*or transfer*] will be void. These conditions being complied with, you will be considered as a \_\_\_\_\_ of the Institution, when the diploma of your election [*or transfer*], and any publications or notices to which you are entitled, will be forwarded according to your directions.

I beg to direct your attention to Section V. of the By-Laws, and to point out that all annual subscriptions become due on the 1st of January in each year for the year then commencing.

I am, Sir, &amp;c.

## FORM E 1.

SIR,

*The Institution of Civil Engineers.*\_\_\_\_\_, 18\_\_\_\_\_.

---

I have the honour to inform you, that the Council of THE INSTITUTION OF CIVIL ENGINEERS, meeting on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_\_, admitted you as a Student of the Institution.

According to the Regulations of the Institution, you are required to pay the sum of \_\_\_\_\_, being the amount of your first subscription, within two months from the date of your admission, otherwise the admission will be void. When such payment has been made, you will become entitled to the privileges of your class.

I beg to direct your attention to Section V. of the By-Laws, and to point out that all annual subscriptions become due on the 1st of January in each year for the year then commencing.

I am, Sir, &amp;c.

## FORM F.

I, the undersigned, having become \_\_\_\_\_ of THE INSTITUTION OF CIVIL ENGINEERS, do hereby promise that I will be governed by the Royal Charter of the Institution, and by the By-Laws and Regulations of the said Institution as they are now formed, or as they may hereafter be altered, amended, or enlarged, under the powers of the said Charter; and I promise to promote the objects of the said Institution as far as shall be in my power, and to attend the meetings thereof as often as I conveniently can. Provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing my name therefrom, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

I also engage to present to the Institution an Original Communication, drawing, plan, or model of engineering interest, or some scientific work for the library, within the space of twelve months from the date of my election [or transfer].

Witness my hand, this \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_.

---

## FORM G.

SIR,

*The Institution of Civil Engineers.*

\_\_\_\_\_, 18 \_\_\_\_.

I am directed by the Council of THE INSTITUTION OF CIVIL ENGINEERS to inform you, that upon mature consideration of a proposal which has been laid before them relative to you, they will call a Special General Meeting thereon, as is provided for by Article 11, Section III., of the By-Laws and Regulations of this Institution. But previous to taking such a step, it becomes the duty of the Council to advise you to withdraw from the Institution which can be done on your complying with Article 9, Section V.

I am, Sir, &amp;c.

---

## FORM H.

SIR,

*The Institution of Civil Engineers*

\_\_\_\_\_, 18 \_\_\_\_.

It is my duty to inform you, that by a resolution of a Special General Meeting of Corporate Members of THE INSTITUTION OF CIVIL ENGINEERS, which was held here on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_, according to the provisions of Article 11, Section III., of the By-Laws and Regulations, you were declared to be no longer belonging to the Institution.

I am, Sir, &amp;c.

## FORM I.

SIR,

*The Institution of Civil Engineers.*

\_\_\_\_\_, 18 \_\_\_\_.

I am directed by the Council of THE INSTITUTION OF CIVIL ENGINEERS to draw your attention to Articles 8 and 10, Section V. of the By-Laws, and to remind you, that the sum of £ \_\_\_\_\_ of your annual subscriptions to the funds of the Institution remains unpaid, and that you are in consequence in arrear of subscription. I am also directed to request that you will cause the same to be paid without further delay, otherwise the Council will be under the necessity of exercising their discretion, as to using the power vested in them by Article 10, Section V., of the By-Laws and Regulations.

I am, Sir, &amp;c.

## FORM K.

SIR,

*The Institution of Civil Engineers.*

I am directed by the Council of THE INSTITUTION OF CIVIL ENGINEERS to inform you, that in consequence of the non-payment of your arrears of subscription, and in pursuance of Article 10, Section V., of the By-Laws and Regulations, the Council have declared by special vote, on the \_\_\_\_\_ day of \_\_\_\_\_ 18\_\_\_\_, that you have forfeited your claim in future to belong to the Institution, and your name will be in consequence expunged from the Register or lists, unless payment is made previous to \_\_\_\_\_.

But notwithstanding such forfeiture as regards the future, I am directed to call upon you for payment of your arrears amounting to £\_\_\_\_:\_\_\_\_:\_\_\_\_.

I am, Sir, &c.



## LIST OF MEMBERS.

3 JUNE, 1893.

BEING THE SIXTY-FIFTH ANNIVERSARY OF THE  
INCORPORATION OF THE INSTITUTION.

## NOTICE.

It is particularly requested that every change of residence, as well as of Telegraphic Address and Telephone Number, may be communicated without delay to

*The Secretary,*

*The Institution of Civil Engineers,*

*25, Great George Street, Westminster, S.W.*

In the following List the *words* in brackets denote Telegraphic Address; the *figures*, Telephone Number, the latter of course referring to the respective local Exchanges.

---

(T)	"	"	"	award of a Telford Medal.
(t)	"	"	"	Telford Premium.
(W)	"	"	"	Watt Medal.
(S)	"	"	"	George Stephenson Medal.
(M)	"	"	"	Miller Scholarship.
(In)	"	"	"	Miller Prize.
(m)	"	"	"	Manby Premium.
(H)	"	"	"	Howard Quinquennial Prize.
(L)	"	"	"	deliverer of one of the Special Series of Lectures.
(F)	"	"	"	deliverer of a James Forrest Lecture.
(*)	"	"	"	a former Student.

It should be stated that Members of Council and Honorary Councillors are not eligible for Medals or Premiums.

# The Institution of Civil Engineers.

## Council:

### PRESIDENT.

ALFRED GILES.

### VICE-PRESIDENTS.

Sir ROBERT RAWLINSON, K.C.B.

Sir B. BAKER, K.C.M.G., LL.D., F.R.S.

Sir JAS. N. DOUGLASS, F.R.S.

JOHN WOLFE BARRY.

### MEMBERS.

WILLIAM ANDERSON, D.C.L., F.R.S.

ALEXANDER RICHARDSON BINNIE

Sir DOUGLAS FOX

Sir CHARLES HARTLEY, K.C.M.G.,  
F.R.S.E.

J. C. HAWKSHAW, M.A.

CHARLES HAWKSLEY

ALEXANDER BLACKIE WILLIAM  
KENNEDY, F.R.S.

Sir BRADFORD LESLIE, K.C.I.E.

JAMES MANSERGH

Sir GUILFORD L. MOLESWORTH, K.C.I.E.

WILLIAM HENRY PREECE, F.R.S.

Sir EDWARD JAMES REED, K.C.B.,  
F.R.S., M.P.

WILLIAM SHELFORD

FRANCIS WILLIAM WEBB

WILLIAM HENRY WHITE, C.B., F.R.S.

\* \* \* This Council will continue until May 1894.

### PAST-PRESIDENTS.

1820-34. Thomas Telford, F.R.S.E.

1835-44. James Walker, F.R.S.

1845-47. Sir John Rennie, F.R.S.

1848-49. Joshua Field, F.R.S.

1850-51. Sir William Cubitt, F.R.S.

1852-53. James Meadows Rendel, F.R.S.

1854-55. James Simpson.

1856-57. Robert Stephenson, F.R.S.,  
M.P.

1858-59. Joseph Loeke, F.R.S., M.P.

1860-61. George Parker Bidder.

1862-63. Sir John Hawkshaw, F.R.S.

1864-65. John Robinson McClean, M.P.

1866-67. Sir John Fowler, Bart.,  
K.C.M.G., LL.D.

1868-69. Sir Charles Hutton Gre-  
gory, K.C.M.G.

1870-71. Charles Blacker Vignoles,  
F.R.S.

1872-73. THOMAS HAWKSLEY, F.R.S.

1874-75. Thomas Elliot Harrison.

1876-77. GEORGE ROBERT STEPHENSON.

1878-79. John Frederic La Trobe Bat-  
eman, F.R.S.S. L. & E.

1880. WILLIAM HENRY BARLOW,  
F.R.S.

1881. JAMES ABERNETHY, F.R.S.E.

1882. Lord ARMSTRONG, C.B.,  
LL.D., D.C.L., F.R.S.

1883. Sir James Brunlees, F.R.S.E.

1884. Sir Joseph William Bazalgette,  
C.B.

1885-86. Sir FREDERICK J. BRAMWELL,  
Bart., D.C.L., F.R.S.

1886-87. EDWARD WOODS.

1887-89. Sir GEORGE BARCLAY BRUCE.

1889-91. Sir John Coode, K.C.M.G.

1891-92. Sir GEORGE BERKLEY,  
K.C.M.G.

1892-93. HARRISON HAYTER.

(The names of those deceased are printed in italics.)

### Officers:

#### AUDITORS.

SAMUEL HANNA.

| FRANCIS FOX (Westminster).

#### TREASURER.

HUGH LINDSAY ANTROBUS.

#### HONORARY SECRETARY.

WILLIAM POLE, F.R.S.S. L. & E.

#### SECRETARY.

JAMES FORREST.



## ENUMERATION.

3 June, 1892. 3 June, 1893.

HONORARY MEMBERS . . . . .	17	16
MEMBERS . . . . .	1,786	1,821
ASSOCIATE MEMBERS . . . . .	3,249	3,424
ASSOCIATES . . . . .	400	373
STUDENTS . . . . .	863	811
TOTAL . . . . .	6,315	6,445

## HONORARY MEMBERS.

[Hon. M. Inst. C.E.]

Date of Election.	HONORARY MEMBERS.	
Ct L ✕ 1881 Dec. 6.	{ ABEL, Sir FREDERICK AUGUSTUS, Bart., K.C.B., D.C.L., F.R.S.	{ Imperial Institute, So. Kensington, S.W. [Imperial Institute, London. 8743.]
1877 Mar. 13.	{ BELGIANS, H.M. LEOPOLD II., KING OF THE .. ..	Brussels.
T H ✕ 1889 May 21.	BESSEMER, Sir HENRY, F.R.S.	Denmark Hill, S.E.
1885 May 12.	{ CAMBRIDGE, Field-Marshal H.R.H. the Duke of, K.G.	Gloucester House, Park Lane, W.
1891 Jan. 13.	{ CARNOT, MARIE FRANCOIS SADI (President of the French Republic) .. .. ..	Paris.
1872 May 7.	{ CONNAUGHT, H.R.H. the Duke of, K.G. .. .. ..	Portsmouth.
1866 May 15.	{ EDINBURGH, H.R.H. the Duke of, K.G. .. .. ..	Devonport.
1884 Mar. 4.	{ GROVE, the Rt. Hon. SIR WILLIAM ROBERT, M.A., D.C.L., LL.D., F.R.S.	115 Harley Street, W.
L ✕ 1889 May 21.	{ KELVIN, Lord, LL.D., F.R.S.S. L. & E. .. .. ..	The University, Glasgow.
1880 May 4.	{ LESSEPS, Sir FERDINAND DE, G.C.S.I., LL.D. .. .. ..	Paris.
1891 Jan. 13.	{ RAYLEIGH, Lord, M.A., D.Sc., F.R.S. .. .. ..	4 Carlton Gardens, S.W.
1892 Mar. 1.	{ SIMMONS, Field-Marshal Sir JOHN LINTORN ARABIN, R.E., G.C.B., G.C.M.G. .. ..	36 Cornwall Gardens, S.W.
1892 Mar. 1.	{ STOKES, Sir GEORGE GABRIEL, Bart., F.R.S., D.C.L., LL.D.	Lensfield Cottage, Cambridge.
1880 Feb. 3.	TYNDALL, JOHN, LL.D., F.R.S.	Hind Head House, Haslemere.
1865 Mar. 28.	{ WALES, H.R.H. ALBERT EDWARD, Prince of, K.G. ..	Marlborough House, Pall Mall, S.W.
1893 May 30.	YORK, H.R.H. the Duke of, K.G.	York House, St. James's, S.W.

Total number of Honorary Members .. 16.

## M E M B E R S.

[M. Inst. C.E.]

Date of Election  
and of Transfer.

## MEMBERS.

1889 Jan. 8.	ABBATT, RICHARD HENRY ..	42 Cromwell Road, West Brighton.			
1881 Jan. 11.	*ABERNETHY, GEORGE NEILL ..	4 Delahay Street, Westminster, S.W.			
1885 May 19.					
T † { 1844 Mar. 5.	ABERNETHY, JAS., F.R.S.E. }	4 Delahay Street, Westminster, S.W.			
L F † { 1856 Mar. 4.	(Past-President.)				
1869 Dec. 7.	*ABERNETHY, JAMES, Jun. ..	4 Delahay Street, Westminster, S.W.			
1879 Mar. 25.					
1871 Dec. 5.	*ADAMS, HENRY .. ..	{ 60 Queen Victoria Street, E.C. (Viburnum, London.)			
1883 May 1.	ADAMS, WILLIAM .. ..	Carlton House, Putney Hill, S.W.			
1883 Mar. 6.	ADAMS, WILLIAM .. ..	Western Ry., Buenos Ayres.			
1847 Mar. 2.	{ ADDISON, JOHN .. ..	The Castle Hill, Maryport.			
1859 Feb. 1.					
m † { 1872 Dec. 3.	*ADDY, JOHN .. ..	{ South Lawn Lodge, Whichwood, (Burford, Oxon.)			
1881 Apr. 12.					
t m † { 1867 May 21.	AIRY, WILFRID, B.A. ..	6 Great Queen Street, S.W.			
1874 Apr. 21.	AITKEN, RUSSEL .. ..	{ W. Heggerty, 2 Great George Street, S.W.			
1872 Mar. 5.					
1875 Mar. 2.	ALBRECHT, CHARLES JOHN ..	Conservative Club, St. James's St.,			
1879 Dec. 16.					
1890 Mar. 4.	ALEXANDER, ANDREW MILLER	Harbour Trust, Melbourne, Victoria.			
1888 May 15.	ALEXANDER, ARTHUR LYON ..	12 Delahay St., Westminster, S.W.			
1889 Apr. 2.					
1880 Dec. 7.	{ ALEXANDER, STANLEY DE VERE HASTINGS .. .. ..	Railway Dept., Sydney, N.S.W.			
1879 Feb. 4.					
1884 May 27.	ALFORD, ROBERT GERVASE ..	Prison Department, Edinburgh.			
1870 Feb. 1.	ALLAN, GEORGE .. ..	{ 10 Austin Friars, E.C. (Clematis, London.)			
‡ { 1883 Mar. 6.	ALLEN, WILLIAM HENRY ..	{ York Street Works, Lambeth, S.E. (Pump, London.)			
1891 Apr. 7.					
‡ { 1872 Apr. 9.	{ ALLEYNE, Sir JOHN GAY NEWTON, Bart. .. ..	Chevin, Belper.			
1890 May 20.	ALLIOTT, JAMES BINGHAM ..	{ Blooms Grove Works, Nottingham. (Manloves, Nottingham.)			
1876 Feb. 1.	ALLISON, JOHN .. ..	City Engineer, Town Hall, Man- chester.			
1888 Mar. 6.					
1876 Apr. 4.	ALLOTT, CHARLES SNEATH ..	16 Brown Street, Manchester. (Al- lotted, Manchester. 1952.)			
1880 Dec. 21.					
1872 Feb. 6.	ALLPORT, HOWARD ASTON ..	Dodworth Grove, Barnsley.			
1865 Jan. 10.	ANDERSON, BERESFORD ..	{ Villa Nadia, Paramé, Ile et Vilaine, France.			
1880 Feb. 3.	ANDERSON, GEORGE .. ..	J. B. Maclarens, 28 Keppel St., W.C.			
1883 Dec. 4.	ANDERSON, JAMES ARTHUR ..	11 Middleton Row, Calcutta.			
1870 Dec. 6.	ANDERSON, JNO. PHILIP CORT-}	Golfston, Westward Ho, No. Devon.			
1879 Nov. 4.	LANDT .. .. ..				
1885 Mar. 3.	*ANDERSON, ROBERT .. ..	{ Carenero Ry., Rio Chico, Vene- zuela.			
T t W L F † { 1869 Jan. 12.	{ ANDERSON, WILLIAM, D.C.L., F.R.S. (Member of Council.)	Lesney House, Erith. (8417.)			
1878 Feb. 5.	ANDERSON, WILLIAM .. ..	Teesdale Ironworks, Stockton-on-Tees.			
1891 Jan. 13.	{ ANDRADE, ANTONIO DE CAR- VALHO PAES DE .. ..	Rio de Janeiro.			
1858 Jan. 12.	ANDREWS, ARTHUR THOMAS ..	6 Fairlawn Park, Chiswick, W.			

Date of Election  
and of Transfer.

## MEMBERS.

1875 May 11.	ANDREWS, EDMUND .. .. ..	L. & S.W.Ry., Waterloo Station, S.E.
1881 May 31.		
1863 Dec. 1.	ANDREWS, JOHN ORME .. ..	18 Grange Park, Ealing, W.
1877 May 8.		
T t ✕ { 1881 Dec. 6.	ANDREWS, THOMAS, F.R.S.S.)	Wortley Ironworks, nr. Sheffield.
1888 Jan. 17.	L. & E. .. .. ..	
1866 Dec. 4.	ANDREWS, THORNTON .. ..	Cefn Eithen, Swansea.
1878 Apr. 9.		
1877 Mar. 6.	ANDREWS, WILLIAM .. ..	H. S. King & Co., 65 Cornhill, E.C.
1859 Apr. 5.		
1866 May 15.	ANGELL, LEWIS .. .. ..	Town Hall, Stratford, E.
1889 Feb. 5	ANGUS, JAMES .. .. ..	Railwy. Commission, Sydney, N.S.W.
1885 May 19.	{ ANLEY, GEORGE AUGUSTUS	(Mendip Lodge, De Parys Avenue,
	{ D'AUVERGNE .. .. ..	Bedford.
t ✕ 1879 Apr. 1.	APJOHN, JAMES HENRY, M.A.	Engineer, Port Trust, Calcutta.
1864 Feb. 2.	APPLEBY, CHARLES JAMES ..	{ 22 Walbrook, E.C. (Millwright,
1877 May 29.		{ London.)
1863 May 5.	APPLETON, EDWARD .. ..	I Vaughan Parade, Torquay.
1888 Oct. 30.		
1885 May 5.	ARGYLE, JOHN .. .. ..	Midland Ry., Derby.
T ✕ { 1849 Apr. 3.	{ ARMSTRONG, Lord, C.B.,	Elswick Works, Newcastle-on-Tyne.
1854 Jan. 31.	{ L.L.D., D.C.L., F.R.S.	(Elswick, Newcastle. S.)
	{ (Past-President.)	
1869 Dec. 7.	ARMSTRONG, Professor GEORGE	The University, Edinburgh.
1892 Apr. 5.	FREDERICK, M.A., F.R.S.E.)	
m { 1877 May 29.	*ARMSTRONG, WALTER YOUNG..	G. W. Ry., Paddington, W.
1890 Feb. 4.		
1865 Apr. 4.	ASHMEAD, FREDERICK .. ..	13 Prince St., Bristol.
1882 May 2.	ASKWITH, ROBERT .. ..	Etherley Ho., nr. Bishop Auckland.
t ✕ { 1881 Feb. 1.	ASPINALL, JNO. AUDLEY FRED.	Fern Bank, Heaton, Bolton.
1887 Nov. 22.		
1871 Feb. 7.	ATHERSTONE, GUYBON DAMANT	c.o. Resident Eng., Cape Town,
1884 Oct. 14.		{ C.C.
1890 Jan. 14.	ATKINSON, ALEXANDER, L.C.E.	NorthWestn. Hotel, Lahore, Punjab.
1859 Apr. 5.	ATKINSON, WILLIAM .. ..	Erwood, Beckenham.
1891 Feb. 3.	ATTOCK, FREDRICK .. ..	L. & Y. Ry., Newton Heath, Man-
1878 May 28.	AUSTIN, ALBERT DUNCAN ..	Christchurch, N.Z. Chester.
1865 Feb. 7.		{ 47 Victoria St., S.W. (Leclanché,
1879 Jan. 14.	AYLMER, RICHARD .. ..	{ London.)
† 1878 Feb. 5.	AYRES, ARTHUR .. .. ..	Ashleigh, Truro Rd., Wood Green, N.
1860 Apr. 3.	AYRIS, JOHN .. .. ..	Waterworks Office, Norwich.
1874 Dec. 1.	*BAGGALLAY, HENRY CHARLES	Irondale, Elm Pk. Rd., Chelsea, S.W.
1889 Mar. 26.		P.W.D., Shan Hills Survey, Burma.
1890 Dec. 2.	BAGLEY, FREDERICK ROBERT ..	
1886 Jan 12.	BAGNALL, HARVEY, M.A., B.E.	
1888 Oct. 30.		
1874 Feb. 3.	BAILEY, JOHN CHARLES ..	211 Carlton St., Toronto, Canada.
1888 Feb. 7.	BAILLIE, JONATHAN ROBERT ..	Loudon Yard, Poplar, E. (5108.)
1880 Apr. 6.	BAILLIE, ROBERT .. .. ..	London Yard, Poplar, E. (5108.)
1891 Mar. 3.	BAINBRIDGE, CHARLES EDWARD	Walkers, Parker & Co., Chester.
m ✕ { 1871 Dec. 5.	*BAINBRIDGE, EMERSON .. ..	Nunnery Colliery Offices, Sheffield.
1883 May 29.		
1876 May 30.	BAIRD, GEORGE .. .. ..	Fulmer, Slough.
T S t ✕ { 1867 Dec. 3.	{ BAKER, Sir BENJ., K.C.M.G.,	2 Queen Square Place, S.W. (Ogilist,
1877 May 29.	{ L.L.D., F.R.S. (Vice-Presi-	London. 3033.)
	{ dent.)	
1888 May 15.	BAKEWELL, WILLIAM NEWTON	31 Herbert Rd., Stockwell, S.W.
1877 Feb. 6.	*BALDRY, HENRY OSBORNE ..	21 Queen Anne's Gate, S.W.
1886 Feb. 9.		2 Queen Square Place, S.W. (3033.)
1865 Dec. 5.	BALDRY, JAMES DANFORD ..	

Date of Election and of Transfer.	MEMBERS.	
1875 May 4.)	BALFOUR, DAVID .. .. .	{ 3 St. Nicholas Bldgs., Newcastle-on-Tyne. (Balfour, Myre Hall, Houghton-le-Spring.)
1889 Apr. 9.)		Rockhampton, Queensland.
1874 Mar. 3.)	BALLARD, ROBERT .. .. .	
1877 Nov. 27.)		
1875 May 4.)	BANCROFT, HENRY .. .. .	26 Cooper Street, Manchester.
1878 Dec. 3.)		
1861 Feb. 5.)	BANISTER, FREDERICK DALE ..	Stonchouse, Forest Row, Sussex.
1866 Mar. 13.)		
1873 Dec. 2.)	BARBER, EDMUND SCOTT ..	Kalmunai, Batticaloa, Ceylon.
1878 Dec. 3.)		
1873 Mar. 4.)	BARKER, JOHN .. .. ..	20 Oppidans Rd., Primrose Hill, N.W.
1877 Nov. 27.)		
1881 Feb. 1.)	BARKER, JOHN .. .. ..	49 Broad Street House, E.C.
1889 Mar. 19.)		
1889 May 7.)	BARKER, ROBERT .. .. ..	L. C. & D. Ry., Victoria, S.W.
t { 1872 Dec. 3.)	*BARLOW, CRAWFORD, B.A. ..	{ 2 Old Palace Yard, S.W. (Ingegnere, London.)
1879 Dec. 23.)		
T { 1845 Apr. 1.)	{ BARLOW, WILLIAM HENRY, F.R.S. (Past-President.)	{ 2 Old Palace Yard, S.W. (Ingegnere, London.)
W t { 1881 May 3.)	*BARNABY, SYDNEY WALKER ..	The Hollies, Chiswick Mall, W.
1888 Mar. 6.)		
1886 Apr. 6.)	BARNES, JOHN FDK. EVELYN ..	{ Colonial Engineer's Office, Maritzburg, Natal.
1889 Nov. 5.)		
1865 Feb. 7.)	BARNES, JOHN HICKMAN .. ..	30 Great George Street, S.W.
1877 May 29.)		
1879 Dec. 2.)	BARNETT, PATRICK MOIR ..	Berryden Ho., Aberdeen.
1890 Apr. 1.)	BARR, Prof. ARCHIBALD, D.Sc. ..	University, Glasgow.
t { 1882 Feb. 7.)	BARR, GEORGE MORRISON ..	Dunedin, Otago, N.Z.
1874 Apr. 14.)	BARR, JAMES .. .. ..	132 West Regent Street, Glasgow.
1881 May 3.)		
1882 Feb. 7.)	BARR, THOMAS MORRISON ..	Caledonian Ry., Perth.
1877 Apr. 10.)	BARRASS, SAMUEL .. ..	Ellesmere, Hayne Rd., Beckenham.
1879 Dec. 2.)	{ BARRETO, ANTONIO PAULO DE MELLO .. .. ..	Rua Donna Luiza 17, Rio de Janeiro.
1872 Feb. 6.)	BARRINGTON, WILLIAM .. ..	The Ferns, Castleconnel, Limerick.
1883 Jan. 9.)	*BARRINGTON, WILLIAM, Jun. ..	9 Hume Street, Dublin.
1891 Feb. 3.)		
t { 1868 Apr. 7.)	BARRON, FREDERICK CADOGAN ..	9 St. Mildred's Court, Poultry, E.C.
1878 Feb. 19.)		
t { 1875 Feb. 5.)	BARRON, JAMES .. .. ..	7 Union Terrace, Aberdeen.
1883 May 29.)		
1887 May 24.)	BARRY, ARTHUR JOHN .. ..	{ 21 Delahay Street, Westminster, S.W. (Wolfbarry, London. 3024.)
1893 May 16.)		
T t { 1868 Feb. 4.)	{ BARRY, JOHN WOLFE .. ..	{ 21 Delahay Street, Westminster, S.W. (Wolfbarry, London. 3024.)
1875 Apr. 6.)	(Vice-President.)	
t { 1878 Jan. 15.)	BARRY, PHILIP .. .. ..	Rosetta, Blackrock, Cork.
1858 Feb. 2.)	BARTHOLOMEW, WM. HAMOND ..	Aire and Calder Office, Leeds.
1881 Feb. 1.)		
1884 Mar. 4.)	BARTON, EDWARD GOLDING ..	Bengal-Nagpur Ry., Purulia, Bengal.
T { 1853 Mar. 1.)	BARTON, JAMES .. .. ..	Dundalk.
1881 Feb. 1.)	*BARTON, JOHN GEORGE .. ..	Valuation Office, Dublin.
1868 Apr. 7.)	BARTON, WALTHEW CLARENCE ..	46 Park Crescent, Brighton.
1878 Dec. 3.)	BAXTER, WILLIAM .. .. ..	Ashburton, Canterbury, N.Z.
1875 Feb. 2.)	BAYLEY, KENNEDY .. .. ..	Gt. So. and W. Ry., Dublin.
1888 May 1.)	BAYLEY, RICHARD DANSEY ..	Chelsea House, Wells Rd., Bath.
1874 Dec. 1.)		
1882 Jan. 31.)	BAYNES, DONALD STUART ..	The Grange, Southbourne, Hants.
m m t { 1874 Jan. 13.)	*BAZALGETTE, EDWARD .. ..	{ London County Council, Spring Gardens, S.W.
1879 Apr. 8.)		
t { 1885 May 19.)	{ *BEARE, Prof. THOMAS HUDSON, B.A., B.Sc., F.R.S.E. ..	{ University College, Gower Street, W.C.
1893 Feb. 7.)		
W t { 1875 Mar. 2.)	BEAUMONT, WILLIAM WORBY ..	Melford, Palace Road, Tulse Hill, SW.
1886 Feb. 16.)		

Date of Election  
and of Transfer.

## MEMBERS.

T t ♫	1860 Dec.	4.	BEAZELEY, ALEXANDER .. ..	8 St. Paul's Rd., Thornton Heath.
	1867 Feb.	5.	BEAZELEY, MICHAEL .. ..	17 Nelson Crescent, Ramsgate.
	1882 Feb.	7.	BEERE, DANIEL MANDERS .. ..	Gisborne, New Zealand.
	1884 Apr.	1.	BEESLEY, FREDERICK .. ..	11 Victoria Street, S.W. (3090.)
	1883 Jan.	9.	BELK, WILLIAM .. ..	Port & Harbour Comm., Hartlepool.
	1881 Dec.	6.	*BELL, AR. WILBRAHAM DILLON	{ N. Z. Defences Office, Wellington, N.Z.
	1890. May 20.			
	1867 Apr.	2.	BELL, CHARLES NAPIER .. ..	Midland Ry., Christchurch, N.Z.
†	{ 1866 Feb.	6.)	BELL, HENRY PURDON .. ..	Valdivia, Chili.
	{ 1878 Dec.	3.)		
	1867 Mar.	5.)	BELL, HORACE .. ..	{ Consulting Eng. for State Rys., Simla, India.
	1872 Jan. 30.			
t ♫	{ 1867 May 21.)		BELL, IMRIE .. ..	204 St. Vincent Street, Glasgow.
	{ 1868 Apr. 21.)			
H ♫	{ 1867 May 21.)		BELL, Sir ISAAC LOWTHIAN,	Rounton Grange, Northallerton.
	{ 1873 Apr. 8.)		Bart., F.R.S. .. ..	
t ♫	1879 Dec.	2.	BELL, JAMES RICHARD .. ..	Grindlay, Groom & Co., Bombay.
	1888 Dec.	4.	BELL, JOHN McKENZIE .. ..	P.W.D., St. Thomas' Mount, Madras.
	1869 May	4.	BELL, VALENTINE GRÆME .. ..	Director of Public Works, Jamaica.
	1885 May	5.	BELLAMY, GEORGE DAVID .. ..	Municipal Offices, Plymouth.
	1873 Apr.	1.	BELOE, CHARLES HENRY .. ..	4 Ullet Rd., Princes Pk., Liverpool.
	1871 Dec.	5.	BENEDICT, ERNEST .. ..	25 Weltje Rd., Hammersmith, W.
	1887 Dec.	6.	BENEST, EDWARD EVERETT .. ..	30 Cromwell Grove, Hammersmith,
	1873 Mar.	4.	BENNETT, JOHN .. ..	Braemar, Guernsey. [W.
	1883 May 29.		BENNETT, WILLIAM .. ..	Dock Office, Leith.
	1893 Jan 10.		BENTON, JOHN, F.C.H. .. ..	H. S. King & Co., 45 Pall Mall, S.W.
	1884 Dec.	2.	BERESFORD, JOHN STUART, M.E.	Irrigation Dept., Roorkee, India.
W t ♫	{ 1845 Apr. 1.)		BERKLEY, Sir GEORGE,	
	{ 1854 Jan. 17.)		K.C.M.G. (Past-President.)	{ 57 Charing Cross, S.W.
	1880 Mar.	2.)	BERKLEY, GEORGE, Jun. .. ..	57 Charing Cross, S.W.
	1891 Mar. 17.)			
	1892 May 24.		BERKLEY, JAMES EUSTACE .. ..	Nizam's Rys., Secunderabad, Deccan.
	1877 Apr. 10.)			{ 96 Newgate Street, E.C. (Anybers, London.)
	1884 Apr. 1.)		BERNAYS, JOSEPH .. ..	
	1873 Feb. 4.)		*BERRELL, WILLIAM .. ..	{ Thames Conservancy, 41 Trinity Square, E.C.
	1887 Feb. 22.)			
	1885 May 19.		{ BERRIER-FONTAINE, JEAN-BAP-	Directeur des Constructions Navales, Toulon, France.
			{ TISTE LOUIS FÉLIX MARC ..	
	1879 Feb. 4.)			{ 47 Victoria Street, S.W. (Euripides, London.)
	1892 Nov. 22.)		BERTODANO, CHAS. EDMUND DE	
	1865 Mar.	7.	BEWICK, THOMAS JOHN .. ..	{ Broad St. House, E.C. (Bewick, London. 1853.)
	1882 Feb.	7.	BEZZI, Chev. TOMASO GAUDENZIO	Ypiranga Wks., São Paulo, Brazil.
	1849 Mar.	6.)	BIDDELL, GEORGE ARTHUR .. ..	Bishop's Hill, Ipswich.
	1877 Apr. 17.)			
	1878 Mar.	5.	BIDDER, BARTHOLOMEW PARKER	Epping Place, Epping.
T S t ♫	{ 1865 Feb.	7.)	BINNIE, ALEXANDER RICHARD-	
	{ 1873 May 20.)		SON (Member of Council.)	{ 77 Ladbroke Grove, W.
m ♫	{ 1870 Dec.	6.)	*BIRCH, ROBT. WM. PEREGRINE	5 Queen Anne's Gate, S.W.
	{ 1880 May 25.)			
	1885 May 19.		BIRKBECK, MORRIS .. ..	The Elms, Betchworth, Surrey.
	1870 Dec.	6.)	BISSET, JAMES .. ..	Claremont, Cape Town, C.C.
	1877 Oct. 30.)			
	1888 Jan. 10.)		BLACKBURN, ALEXANDER BE-	
	1892 Mar.	8.)	WICKE .. ..	Salford Ironworks, Manchester.
	1845 June 24.)		BLAKE, HENRY WOLLASTON,	
	1879 Jan. 14.)		M.A., F.R.S. .. ..	8 Devonshire Place, Portland Pl., W.
	1873 Mar.	4.)	*BLAKESLEY, THOS. HOLMES, M.A.	3 Eliot Hill, Lewisham, S.E.
	1885 Jan. 27.)			
	1856 Mar.	4.	BLAKISTON, MATTHEW .. ..	Free Hills, Bursledon, Southampton.
†	1878 Mar.	5.	BLOOD, BAGOT WILLIAM .. ..	6 Claremont Villas, Glenageary, co.
	1863 May	5.	BLOUNT, JOHN DARELL .. ..	Mapledurham, Reading. [Dublin.
†	1877 Feb.	6.	*BLYTH, BENJAMIN HALL, M.A.	17 Palmerston Pl., Edinburgh.

Date of Election  
and of Transfer.

## MEMBERS.

1874 May 12.	BOCQUET, ROSCOE, C.I.E.	.. .. ..	{ A. E. Shaw, Woolley & Co., Calle Piedad 345, Buenos Ayres.
1866 Apr. 10.	BOHN, GEORGE .. .. ..	.. .. ..	Imperial Chambers, Hull.
1877 Nov. 13.			
1891 Feb. 3.	BOLLER, ALF. PANCOAST, M.A.	.. .. ..	71 Broadway, New York, U.S.
† 1887 Feb. 1.	BOLTON, ALEXANDER JOSEPH	.. .. ..	Calcutta.
1884 Dec. 2.	BOND, CHARLES JOHN .. .. ..	.. .. ..	H. S. King & Co., 45 Pall Mall, S.W.
1889 May 7.	BOND, GEORGE .. .. ..	.. .. ..	Staveley Ironworks, nr. Chesterfield.
1876 May 2.	BOOTH, ROBERT BELL .. .. ..	.. .. ..	Rajkote, Kathiawar, India.
1878 Dec. 31.			
1878 May 7.	BOSTOCK, JOHN HENRY .. .. ..	.. .. ..	The Limes, Horsham.
‡ { 1879 Feb. 4.	{ BOSWELL, St. GEORGE JAMES, B.Sc.	.. .. ..	Harbour Works, Quebec, Canada.
1892 Nov. 1.			
1880 Feb. 3.	BOTHAMS, JOHN CHAMPNEY ..	.. .. ..	Salisbury.
‡ { 1874 Feb. 3.	{ BOULNOIS, HENRY PERCY .. .. ..	.. .. ..	City Engineer, Liverpool.
1878 Apr. 16.			
1877 Apr. 10.	BOULTON, WILLIAM .. .. ..	.. .. ..	42 Union Street, Aberdeen.
1883 Apr. 10.			
1870 Dec. 6.	BOURNE, JOSEPH .. .. ..	.. .. ..	{ Boldmere House, Wylde Green, Birmingham.
1883 Feb. 6.			
1880 Dec. 7.	{ BOUSCAREN, LOUIS FREDERICK GUSTAVE .. .. ..	.. .. ..	99 West Fourth St., Cincinnati, U.S.
‡ { 1876 Dec. 5.	{ *BOVEY, HENRY TAYLOR, M.A., LL.D.	.. .. ..	McGill University, Montreal, Canada.
1886 May 18.			
1876 Apr. 4.	BOWSTEAD, CHARLES JAMES ..	.. .. ..	Hyde Brae, Chalford, Glos.
1881 Feb. 22.			
1881 Dec. 6.	BOYD, ROBERT NELSON .. .. ..	.. .. ..	14 Victoria Street, S.W.
‡ { 1854 Jan. 10.	{ BOYLE, RICHARD VICARS, C.S.I.	.. .. ..	
1860 Feb. 14.			
1884 Dec. 2.	*BOYNTON, FRANCIS .. .. ..	.. .. ..	Cyclops Works, Sheffield.
1893 May 16.			
1868 May 5.	BRADY, FRANCIS .. .. ..	.. .. ..	S. E. Ry., London Bridge, S.E.
‡ { 1875 Dec. 7.	{ BRADY, JOSEPH .. .. ..	.. .. ..	{ The Oldfleet, Collins St., Mel-
1878 Dec. 3.			bourne, Victoria.
1885 May 5.	BRADY, JOSEPH HENRY .. .. ..	.. .. ..	P. W. D., Bridgetown, Barbados.
1877 May 1.	BRAMALL, HENRY .. .. ..	.. .. ..	Pendlebury Colls., near Manchester.
L ‡ { 1856 May 6.	{ BRAMWELL, Sir FREDERICK JOSEPH, Bart., D.C.L., F.R.S. (Past-President)	.. .. ..	5 Great George Street, S.W. (Well- bram, London. 3060.)
1862 Mar. 4.			
1891 Feb. 3.	BREBNER, ALEXANDER .. .. ..	.. .. ..	79 Princes St., Edinburgh.
1876 Feb. 1.			
1883 May 29.	BRENTNALL, WILLIAM .. .. ..	.. .. ..	Tunbridge Wells.
1891 Dec. 1.	BRERETON, ALFRED .. .. ..	.. .. ..	Watson & Co., 50 Parliament St., S.W.
1880 Feb. 3.	BRERETON, CUTHBERT ARTHUR	.. .. ..	{ 21 Delahay St., Westminster, S.W. (Wolfenberry, London. 3024.)
1865 Jan. 10.	BRERETON, ROBERT MAITLAND	.. .. ..	Forest Grove, Oregon, U.S.
‡ 1860 Jan. 10.	BRERETON, ROBERT PEARSON ..	.. .. ..	21 Delahay St., Westminster, S.W.
1878 Mar. 5.	BRETLAND, JOSIAH CORBETT ..	.. .. ..	City Surveyor, Belfast.
1885 Feb. 3.			
1865 Dec. 5.	BRIERLEY, JOSEPH .. .. ..	.. .. ..	Blackburn.
1872 Feb. 13.			
1881 Mar. 1.	*BRIGGS, JAMES .. .. ..	.. .. ..	Midland Railway, Derby.
1891 Apr. 21.			
1874 Mar. 3.	BRIND, ALFRED WALTER ..	.. .. ..	6 Lennard Rd., Folkestone.
T t ‡ { 1874 May 5.	{ BRITTLE, JOHN RICHARD, F.R.S.E., Wh. Sc. .. .. ..	.. .. ..	Farad Villa, Vaubrough Hill, Black- heath, S.E.
1886 Mar. 1.			
1868 Dec. 1.	BROADRICK, GEORGE, F.R.S.E.	.. .. ..	Hamphall Stubbs, Doncaster.
1865 Feb. 7.			
1877 Mar. 13.	BROCK, WALTER .. .. ..	.. .. ..	Messrs. Denny Brothers, Dumbarton.
1871 May 23.	BROMLEY, WALTER BRANDRETH	.. .. ..	{ Crofton House, Lampton Road, Hounslow.
1889 Nov. 26.			
1883 Jan. 9.	*BROOKHOUSE, ROBERT HAROLD	.. .. ..	{ F. C. Central, Rosario de Santa Fé, Argentina.
1889 Nov. 15.			

Date of Election  
and of Transfer.

## MEMBERS.

1877 Dec. 4.	BROOM, GEORGE JAMES COTTON	Town Hall, St. Helen's, Lancs.
1892 Nov. 15.		
1868 May 5.	BROTHERHOOD, PETER .. ..	{ Belvedere Road, Lambeth, S.E. (Brotherhood, London.)
1879 Feb. 4.	BROTHERS, HORÁTIO .. ..	The Elms, Putney Hill, S.W.
1870 Mar. 1.		
1876 Jan. 11.	*BROUNGER, RICHARD ERNEST ..	Bloemfontein, Orange Free State.
1885 May 12.		
T t $\ddagger$	{ 1847 May 4.	
	{ 1864 Nov. 29.	BROUNGER, WILLIAM GEORGE Pulteney, Austin Road, Guildford.
	1890 Feb. 4.	BROWN, ANDREW .. .. London Works, Renfrew.
	1881 May 31.	BROWN, ARTHUR .. .. Guildhall, Nottingham.
	1885 Nov. 10.	
	1879. Dec. 2.	*BROWN, JAMES SAMUEL .. .. North Western Ry., Lahore, Punjab.
	1890. May 20.	
	1873 Dec. 2.	BROWN, JOHN .. .. Cape Government Railways, C.C.
m	1882 Feb. 7.	
	{ 1874 Mar. 3.	*BROWN, OSWALD .. .. { 32 Victoria Street, S.W. (Aequa, 1880 May 25.) London. 3086.)
S t $\ddagger$	1868 Dec. 1.	BROWN, THOMAS FORSTER .. { Guildhall Chams., Cardiff. (Mining, 1864 Dec. 6.
	BROWNE, Sir BENJAMIN CHAP-	{ Cardiff.)
	1871 Mar. 7.	MAN .. .. { Hawthorn's Engine Works, New- castle-on-Tyne.
T $\ddagger$	1850 Apr. 2.	{ BRUCE, Sir GEORGE BARCLAY 3 Victoria Street, S.W. (Brentesia, (Past-President.) London.)
	1892 Dec. 6.	BRUCE, JOHN .. .. Port Mulgrave, Hinderwell, Yorks.
	1876 Mar. 7.	BRUCE, WILLIAM DUFF .. .. 23 Roland Gds., So. Kensington, S.W.
	1873 Mar. 6.	BRUFF, PETER JOHN .. .. Christiania, Norway.
	1876 Nov. 21.	
$\ddagger$	1840 May 19.	BRUFF, PETER SCHUYLER .. Handford Lodge, Ipswich.
	1856 Apr. 8.	BRUNDELL, BENJAMIN SHAW .. 1 Prince's Street, Doncaster.
	1869 May 4.	BRUNEL, HENRY MARC .. { 21 Delahay St., Westminster, S.W. 1877 Mar. 6.
	1875 Dec. 7.	{ (Wolfebarry, London. 3024.) *BRUNLEES, JOHN .. .. 12 Victoria Street, S.W.
	1878 May 14.	
$\ddagger$	1884 May 27.	BRUNTON, DAVID WILLIAM .. Aspen, Colo., U.S.
$\ddagger$	1862 Dec. 2.	BRUNTON, GEORGE .. .. { 84 Cambridge Gardens, Notting Hill, W.
T t $\ddagger$	{ 1857 Feb. 3.	
	{ 1857 Apr. 21.	BRUNTON, JOHN .. .. 47 Clarendon Avenue, Leamington.
t $\ddagger$	{ 1868 Apr. 7.	BRUNTON, RICHARD HENRY .. { Noni Lodge, Gipsy Rd., West Nor- 1873 May 13.) wood, S.E.
$\ddagger$	{ 1875 Mar. 2.	BRYAN, WILLIAM BOOTH .. { E.London Waterwks., Lea Bdgo., N.E. 1879 Mar. 4.
	1878 Feb. 5.	(Engineer, Waterworks, Clapton.) BUCHANAN, ALEXANDER .. .. Messrs. Handyside & Co., Derby.
	1870 May 24.	BUCHANAN, GEORGE .. .. 53 Ordnance Road, N.W.
	1857 May 5.	1885 Mar. 31. BUCHANAN, GEORGE .. .. 25 Bucklersbury, E.C.
	1891 Jan. 13.	BUCHANAN, WILLIAM .. .. Grand Central Station, New York,
$\ddagger$	1869 Feb. 2.	BUCK, JOSEPH HAYWOOD WATSON L. & N. W. Ry., Crewe. [U.S.]
	1871 Apr. 4.	BUCKHAM, EDWARD .. .. Town Hall, Ipswich.
	1887 Jan. 25.	
$\ddagger$	{ 1873 Dec. 2.	BUCKLEY, ROBERT BURTON, } Arrah, Shahabad, Bengal.
	{ 1880 Nov. 2.	Wh.Sc. .. .. .. Valparaiso, Chili.
	1879 Apr. 1.	BUDGE, ENRIQUE .. .. { East Argentine Ry., Concordia, 1888 Dec. 4. BUDGE, OLIVER .. .. { Argentina.
	1873 May 6.	BULKLEY, THOMAS ALFRED .. Byculla Club, Bombay.
	1879 Nov. 4.	1881 May 31. BULL, CHARLES ALBERT .. King, King & Co., Bombay.
	1875 Dec. 7.	1889 Apr. 16. BULMER, PHILIP .. .. Mains House, Chester-le-Street.
T t $\ddagger$	{ 1866 Mar. 6.	1878 Apr. 9. BURGE, CHARLES ORMSBY .. Railway Dept., Sydney, N.S.W.

Date of Election and of Transfer.	MEMBERS.	
x { 1871 May 23. } *BURKE, CHARLES TOLER	..	Grindlay's, 55 Parliament St., S.W.
1883 May 1. }		
1872 Dec. 3. }	BURKE, GEORGE JOHN .. ..	{ Prells Buildings, Collins & Queen
1883 Mar. 20. }		Streets, Melbourne, Victoria.
1887 Dec. 6. }	BURKE, JAMES MARLOW .. ..	G. S. & W. Ry., Inchicore, Dublin.
1866 Feb. 6. }		
1871 May 2. }	BURNETT, ROBERT HARVEY ..	Gorton Foundry, Manchester.
1861 May 28. }	BURNS, JEROME .. ..	{ Hornby St., Windsor, Melbourne,
1884 Feb. 5. }		Victoria.
1889 Mar. 12. }	BURR, WILLIAM HENRY ..	F.C. deVenezuela, Caracas, Venezuela.
1876 May 2. }		
1881 Jan. 11. }	BURSTAL, EDWARD KYNASTON ..	38 Parliament Street, S.W.
1874 May 12. }		
1891 Dec. 1. }	BUSH, GEORGE .. ..	34 Cleveland Square, Hyde Park, W.
1854 Mar. 7. }	BUTCHER, LOUIS HOLT .. ..	Ahmednagar, Bombay.
1875 Dec. 7. }	BUTLER, RICHARD .. ..	Ballycaron, Golden, Ireland.
m x 1881 Apr. 5. }	BUTLER, WALTER .. ..	Witham, Essex.
1864 Feb. 2. }	BUTTERTON, WILLIAM .. ..	Claremont, Burrage Rd., Plumstead.
1885 Apr. 14. }	BUTTERTON, WILLIAM, Jun. ..	62 South Lambeth Road, S.W.
1888 Dec. 11. }		Govt. Rys., Durban, Natal.
1881 Dec. 6. }	{ BUYERS, JOHN WALKER, C.I.E.,	H. S. King & Co., 45 Pall Mall, S.W.
1888 Dec. 4. }	M.A. .. .. .. ..	Assam-Bengal Ry., Shillong, Assam.
1882 Dec. 5. }		
1887 Mar. 15. }	CAIRNS, ANDREW DUNCAN ..	Tyne Pier Works, Tynemouth.
1892 Apr. 5. }	CAMARA, ANTONIO DE LA ..	{ Inspector of Rys., Manila, Philippine Islands.
1881 Dec. 6. }	CAMERON, EDWARD ALEXANDER ..	Aberdeen House, Preston, Brighton.
1879 May 27. }	{ CAMPBELL, DAVID WILKINSON,	52 Clapham Road, Bedford.
1868 Dec. 1. }	C.I.E. .. .. .. ..	E. I. Ry., Rampur Hât, Bengal.
1889 Apr. 30. }	CAMPBELL, THOMAS PROCTER ..	
1872 Dec. 3. }		Amballa, India.
1885 Feb. 24. }	*CAMPION, JOHN MONTRIOU ..	3 Gt. Winchester St. Buildings, E.C.
1876 Feb. 1. }	CANNING, Sir SAMUEL .. ..	W. Watson & Co., Bombay.
1879 Feb. 4. }		
1889 Nov. 15. }	*CANTOPHER, BERNARD WILLIAM ..	19 Hyde Park Gardens, W.
1863 Dec. 1. }	{ CARBUTT, Sir EDWARD HAMER,	2 Dean's Yard, Westminster, S.W.
1888 Apr. 17. }	{ Bart. .. .. .. ..	(Foreshore, London.)
x { 1877 Dec. 4. }		
1884 Dec. 23. }	*CAREY, ALFRED EDWARD ..	4 Osborne Ter., Clapham Rd., S.W.
1870 Apr. 5. }	CARGILL, THOMAS, B.A. .. ..	Harbours & Rivers Dept., Sydney,
1877 Nov. 27. }	CARLETON, HENRY RICHARD, M.A.I. .. .. .. ..	N.S.W.
1886 May 18. }		
1891 Jan. 6. }	CARLILE, HUGH .. .. .. ..	Dunaburg-Witepsk Ry., Riga.
1866 Mar. 6. }		
1883 Dec. 4. }	CAROLIN, EDWARD RICHARD ..	{ District Eng., Govt. Railways, Cape Town, C.C.
1888 Feb. 14. }		
1875 May 4. }	CARR, MARK WILLIAM .. ..	Ry. Eng.'s Office, Maritzburg, Natal.
1884 Mar. 4. }		
1875 Mar. 2. }	CARR, ROBERT .. .. .. ..	1 West Pier, London Dock, E.
1870 May 3. }		
1870 Jan. 15. }	CARRINGTON, THOMAS .. ..	Sharow Hurst, Sheffield.
t x { 1875 Dec. 7. }		
1881 Nov. 29. }	CARRINGTON, WILLIAM THOMAS HENNEY .. .. .. ..	70 Victoria Rd., Clapham, S.W.
1869 May 11. }		
1877 Jan. 23. }	CARROLL, EDWD. BROTHERTON ..	Malabar Hill, Bombay.
x { 1866 Jan. 9. }		
(1871 May 16. )	CARRUTHERS, JOHN .. .. .. ..	19 Kensington Park Gardens, W.
t x { 1876 Dec. 5. }		
1880 Jan. 13. }	CARSON, WILLIAM .. .. .. ..	Wallasey, Birkenhead.
1876 Feb. 1. }		
1887 Jan. 25. )	CARTER, HENRY ROBT. PASLEY ..	Madras Railway, Madras.
1887 Jan. 25. )	CARTER, WILLIAM ALLAN ..	5 St. Andrew Square, Edinburgh.

Date of Election  
and of Transfer.

## MEMBERS.

1878 Feb. 5.	CARTWRIGHT, GEORGE	.. ..	M. S. & L. Ry., Grimsby Docks.
1884 Mar. 18.	CARTWRIGHT, JOSHUA	.. ..	Borough Surveyor, Bury, Lancs.
1875 Dec. 7.	*CASH, JOSEPH	.. ..	Gas Co., Hove, Brighton.
1891 Apr. 7.	CATO, ALEXANDER	.. ..	St. Macaire, Gironde, France.
1868 Dec. 1.	CAULFIELD, FRANCIS JOHN	.. ..	
1887 May 24.	ROTHE TOBY ST. GEORGE	..	State Engineer, Perak, S.S.
† 1864 Mar. 1.	CAY, WILLIAM DYCE, F.R.S.E.	107 Princes Street, Edinburgh.	
† 1872 Apr. 16.	CHABREL, MARCELIN JOHN	.. ..	Mymensing S. Ry., Dacca, Bengal.
1882 Dec. 5.	B.E. .. .. ..		
1890 Nov. 25.	CHADWICK, GEORGE BURTON	..	{ 1 Calle San Fernando, San Martin, 1884 Nov. 4. } F.C.R., Buenos Ayres.
1877 May 29.	CHAMBERLAIN, HUMPHREY	..	
1889 May 14.	CHAMBERS, JOHN	.. ..	9 Souchon Road, Shanghai.
† 1879 Dec. 2.	CHAMIER, GEORGE	.. ..	{ 39 Queensland Offices, Bridge St., 1884 Jan. 22. } Sydney, N.S.W.
1882 May 23.	*CHANTER, FRANCIS WM.	.. ..	Fort Hill, Barnstaple.
1893 Feb. 21.	CHAPMAN, ALFRED	.. ..	{ Fawcett, Preston & Co., Liverpool; 1878 Jan. 15. } and 25 Austinfriars, E.C.
1872 Feb. 6.	CHAPMAN, HENRY	.. ..	{ 69 Victoria Street, S.W. (Tubalcain, 1879 Jan. 14. } London.)
1875 Mar. 2.	CHAPMAN, JAMES GREGSON	..	{ 25 Austinfriars, E.C. (Fawcett, 1878 Jan. 15. } London)
1864 Jan. 12.	CHAPMAN, ROBERT	.. ..	G. W. Ry., Shrewsbury.
1885 Mar. 3.	CHAPMAN, THOMAS	.. ..	Commonhead, Airdrie, N.B.
† 1857 Feb. 3.	{ CHAPPÉ (DE LEONVAL), THOMAS FLETCHER .. .. ..		29 Stanley Gardens, Kensington, W.
1883 Feb. 6.	{ CHATTERJEE, <i>Rai Bahadur</i> KHETTER NAUTH.. ..		Ex. Eng., Khidderpore, Calcutta.
m † 1879 Feb. 4.	*CHATTERTON, GEORGE, M.A.	..	46 Queen Anne's Gate, S.W.
1883 Nov. 27.	CHEESEWRIGHT, FREDK. HENRY	..	{ 60 Haymarket, S.W. (Cheesewright, 1891 May 12. } Haymarket.)
1880 May 25.	CHORLTON, JOHN SAMUEL	..	The Rookery, Chatburn, Clitheroe.
1887 Feb. 1.	CHRISTIE, WILLIAM BUCHAN	..	P.W.D., Hazaribagh, Bengal.
1847 Mar. 2.	CHRISTY, FREDERICK COLLIER	..	{ St. Cyr, William St., South Yarra, 1873 Dec. 23. } Melbourne, Victoria.
1871 May 23.	*CHURCH, JABEZ	.. ..	55 Parliament Street, S.W.
1877 Nov. 27.	CHURCH, RICHARD FREDERICK	..	20 Victoria Street, S.W. (3143.)
1875 Feb. 2.	CHURCHILL, JOHN FLEMING	..	{ 3 Morpeth Terrace, Victoria Street, 1880 Jan. 13. } S.W.
1884 Feb. 5.	CISNEROS, FRANCISCO JAVIER	..	
T † 1854 Feb. 7.	CLARK, DANIEL KINNEAR	..	8 Buckingham Street, Adelphi, W.C.
1863 Jan. 27.	CLARK, EDWIN	.. ..	Cromwell Ho., Gt. Marlow.
1850 Dec. 3.	CLARK, GEORGE RICHARD	..	{ c.o. Chartered Bank of India, Aus- 1858 Apr. 13. } tralia and China, Hatton Ct., E.C.
1861 Nov. 19.	CLARK, JOSIAH LATIMER, F.R.S.	..	{ 11 Victoria Street, S.W. (Regency, 1890 Mar. 4. } London. 3082.)
1892 Nov. 22.	*CLARKE, GEORGE JAMES	..	Tees Conservancy, Stockton-on-Tees.
T t † 1874 May 5.	CLARKE, THOMAS CURTIS	..	44 Broadway, New York, U.S.
1866 May 15.	CLARKE, WILLIAM	.. ..	45 Parliament Street, S.W.
1884 Jan. 8.	CLAYTON, THOMAS GETHING	..	Midland Ry., Derby.
1889 Feb. 5.	CLAYTON, WILLIAM WIKELEY	..	Railway Foundry, Leeds.
1887 Dec. 6.	CLEMENT, LEWIS METZLER	..	1013 Central Av., Oakland, Cal., U.S.

Date of Election  
and of Transfer.

## MEMBERS.

1874 Apr. 14.	CLEMINSON, JAMES .. .. ..	{ 9 New Broad Street, E.C. (Cata-
1880 Apr. 20.	{ CLERKE, WM. JOHN BIRD, B.A., .. .. ..	marca, London.)
1871 May 2.	C.I.E. .. .. .. ..	{ Grindlay's, 55 Parliament St., S.W.
1875 Dec. 7.	COATES, JOHN .. .. .. ..	{ 99 Queen Street, Melbourne,
1888 Mar. 13.		Victoria.
1877. Jan. 16.	*COBLEY, WALTER HENRY .. .. ..	Govt. Rys., Ladysmith, Natal.
1890. May 6.		
1883 Feb. 6.	COCHRANE, CHARLES STYLE .. .. ..	Port of Spain, Trinidad.
1866 Feb. 6.		
1872 Jan. 23.	{ CODRINGTON, THOMAS .. .. ..	Local Govt. Board, Whitehall, S.W.
1862 Dec. 2.	COLNIBRA, AUGUSTO TEIXEIRA .. .. ..	Northern Harbour, Rio de Janeiro.
1892 Mar. 1.		
1889 May 3.	{ COLAM, WILLIAM NEWBY .. .. ..	{ 22 Billiter Buildings, E.C. (Colam,
1892 Jan. 26.		London.)
1891 Mar. 3.	COLEBROOK, HY. WM. VAUGHAN .. .. ..	P. W. D., Gujranwalla, Punjab.
† 1877 Dec. 4.	COLES, HENRY JAMES .. .. ..	89 Sumner Street, Southwark, S.E.
1890 Dec. 16.		
1886 Mar. 2.	COLLARD, ROBERT .. .. ..	J.G.Chapman, 25 Austin Friars, E.C.
1881 Apr. 5.	{ COLLETT, ALFRED .. .. ..	{ Waterworks, 26 Calle Fontanella,
1892 Apr. 5.		Barcelona, Spain.
T t † 1881 Feb. 1.	COLLINGWOOD, FRANCIS .. .. ..	Elizabeth, New Jersey, U.S.
1884 May 6.	{ COLLINS, ERNEST .. .. ..	{ Wedderburn Road, Hampstead,
1892 Jan. 11.		N.W.
1882 Dec. 5.	{ COLLISTER, JOHN GEORGE .. .. ..	G. I. P. Ry., Bombay.
1876 Mar. 7.	HENRY .. .. .. ..	
1889 Apr. 9.	{ COLSON, ALFRED .. .. ..	Gas Offices, Leicester.
t † 1871 Feb. 7.	COLSON, CHARLES .. .. ..	H. M. Dockyard, Devonport.
1884 Mar. 11.		
1870 May 24.		18 Great George Street, S.W.
1877 Mar. 27.	COLYER, FREDERICK .. .. ..	
1883 Dec. 4.	*CONGREVE, HUBERT .. .. ..	Ship Canal, Cadishead, Manchester.
1893 Mar. 21.		
1884 May 6.	{ CONNAL, EBEN .. .. ..	49 Kerrsland Ter., Hillhead, Glasgow.
1891 Mar. 24.		
1870 Dec. 6.	{ *COODE, JOHN CHARLES .. .. ..	9 Victoria Street, S.W.
1883 Mar. 13.		
1887 Dec. 6.	COOK, GEORGE LESLIE .. .. ..	P.W.D., Dunedin, Otago, N.Z.
1893 Jan. 10.	COOM, JOHN .. .. .. ..	Ry. Department, Auckland, N.Z.
1867 Dec. 3.	COOPER, EDMUND .. .. .. ..	Wallington Lodge, Wallington.
1885 Feb. 3.	COOPER, FREDERICK EASTMENT .. .. ..	11 Victoria Street, S.W.
1871 May 2.		
1877 Oct. 30.	COOPER, GEORGE .. .. .. ..	Pencliffe, Alleyn Rd., West Dulwich.
1870 May 3.		
1878 Jan. 11.	COOPER, ROBERT ELLIOTT .. .. ..	8 The Sanctuary, S.W. [land, Glasg.]
1876 Mar. 7.	COPLAND, WILLIAM ROBERTSON .. .. ..	146 W. Regent St., Glasgow. (Cop-
† 1875 Jan. 12.		North Eastern Ry., York. (Copper-
† 1880 Feb. 24.	COPPERTHWAITE, HAROLD .. .. ..	thwaite, York.)
1880 May 25.	CORDNER, ROBERT ALLEN .. .. ..	King, King & Co., Bombay.
1881 Feb. 1.	{ CORNISH, JOSIAH EASTON, .. .. ..	Alexandria Water Co., Egypt.
1884 Dec. 2.	CORTHELL, ELMER LAURENCE, .. .. ..	The Temple, Chicago, Ill., U.S.
1880 May 4.	{ M.A. .. .. .. ..	
1893 May 9.	*COSTOBADIE, WILLIAM PALLISER .. .. ..	Woolhampton, Reading.
1881 May 31.	COTTON, CHARLES OSWELL .. .. ..	{ Stanhope House, Avenue Road,
1889 Dec. 3.		Abergavenny.
1861 May 7.	COTTON, CHARLES PHILIP .. .. ..	{ Local Govt. Board, Custom House,
1864 Mar. 22.		Dublin.
1893 Feb. 7.	COTTON, FRANCIS MICHAEL .. .. ..	Harbour Office, Holyhead.
1874. Jan. 13.	COTTON, WILLIAM GORDON .. .. ..	5 Council House St., Calcutta.
1890. May 6.	LYNCH .. .. .. ..	
1876 May 30.	*COURTNEY, FRANK STUART .. .. ..	76 Redcliffe Square, S.W.
1889 Nov. 26.		

Date of Election  
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## MEMBERS.

1879 Feb. 4.	COUSINS, EDWARD .. .. ..	9 Bridge St., Westminster, S.W.		
† 1885 Apr. 14.	COVENTRY, WALTER BULKELEY	Burgate Ho., Fordingbridge, Salis-		
† 1888 Dec. 4.	COWAN, DAVID .. .. ..	Caron Co., Falkirk, N.B. [bury.		
1883 Mar. 6.	COWAN, McTAGGART .. .. ..	109 Bath St., Glasgow.		
m † { 1885 Feb. 3.)	*COWAN, PETER CHALMERS, B.Sc. .. .. ..	9 College Gardens, Belfast.		
{ 1892 May 3.)	COX, JOHN HENRY.. .. ..	30 Merton Road, Bradford.		
1880 Dec. 7.)	COYLE, JAS. EDMUND FITZ- GERALD .. .. ..	{ 31 Norwich Chambers, Hunter St., Sydney, N.S.W.		
1882 Dec. 5.)	CRABTREE, WILLIAM .. .. ..	Boro' Engineer, Southport, Lancs.		
1875 April 6.)	CREGEEN, ARCHIBALD CRELLIN	1883 May 1.)	1868 Feb. 4. CRAIG, JAMES .. .. ..	{ The Hermitage, Lamanda Park, Los Angeles Co., Cal., U.S.
t † 1883 Apr. 3.	CRAIG, JAMES .. .. ..	Amraoti Camp, India.		
1880 May 4.)	CRAIG, JOHN, B.A. .. .. ..	Queenstown, C.C.		
1883 Nov. 6.)	CRAWFORD, Professor ROBERT, M.A. .. .. ..	Stonewold, Ballyshannon, Ireland.		
t † { 1861 Apr. 9.)	CRAWFORD, ROBERT .. .. ..	1888 Dec. 4.)	Harbour Eugineer, Greenock, N.B.	
{ 1879 Nov. 11.)	CRAWFORD, ROBERT .. .. ..	1893 Mar. 7.)	5 Bede Terrace West, Barnard Castle.	
1877 Feb. 6.)	CRAWFURD, JOHN BRUCE ..	1883 May 29.)	Grindlay's, 55 Parliament St., S.W.	
1872 May 7.)	CREGEEN, ARCHIBALD CRELLIN	1881 Dec. 6.)	P.W. Office, Hobart, Tasmania.	
1891 Feb. 3.	CRESSWELL, MARSHAL .. ..	1879 Feb. 4.)	Te Horo, Wellington, N.Z.	
1879 Feb. 4.)	CRESWELL, ROBERT EDWARD..	1891 Feb. 3.	L. & N. W. Ry., Lancaster.	
1884 Dec. 23.)	CRICHTON, ROBERT .. .. ..	1888 Mar. 6.)	S. I. Ry., Negapatam, Madras.	
t † { 1879 May 6.)	*CRIMP, WILLIAM SANTO.. ..	1882 Mar. 7.)	27 Great George Street, S.W.	
{ 1891 Jan. 13.)	CROES, JOHN JAMES ROBERTSON	T t † 1886 May 18.)	68 Broad Street, New York, U.S.	
W † { 1865 Dec. 5.)	{ CROMPTON, ROOKES EVELYN BELL .. .. ..	Mansion House Buildings, E.C.		
1886 Feb. 2.)	CROSS, JAMES .. .. ..	Eirianfa, Llangollen.		
1891 Jan. 13.)	CROSS, WILLIAM .. .. ..	{ Hawthorn's Works, Newcastle-on-Tyne (Cross, Newcastle-on-Tyne.)		
1868 Jan. 14.)	CROSTHWAIT, THOMAS PHILIP	1887 Dee. 13.)	1 Clare View, Limerick.	
1887 Dee. 13.)	SHERARD, B.A. .. .. ..	1871 Feb. 7.)	{ 175 Hope Street, Glasgow. (Crouch, Glasgow.)	
1868 Apr. 7.)	CROUCH, WILLIAM .. .. ..	1879 Jan. 7.)	King, King & Co., Bombay.	
1879 Jan. 7.)	CRUDACE, CHARLES HUTTON	1893 May 2.)	{ 18 Broadway, New York, U.S. (Bud- dial, New York.)	
1893 May 2.)	CROWELL, JAS. FOSTER, M.C.E.	1878 May 7.)	Huddersfield.	
1893 Mar. 21.)	CROWTHER, GEORGE HENRY ..	1867 Feb. 5.)	[boro'. Beech Holme,Cromwell Parade,Sear-	
t † { 1883 Feb. 6.)	CROZIER, WILLIAM .. .. ..	1883 Feb. 6.)	Tower Bridge, 9 Horselydown Lane, S.E.	
{ 1888 Mar. 13.)	CRUTTWELL, GEORGE EDWD., WILSON.. .. ..	t † 1860 May 1.)	Upperthorpe, Darlington.	
1880 Dec. 7.)	CULCHETH, WILLIAM WOOD ..	1880 Dec. 7.)	{ 11 Darling Street, South Yarra, Melbourne, Victoria.	
† 1878 Dec. 3.)	{ CUNNINGHAM, GRANVILLE CAR- LYLE .. .. ..	1876 Feb. 1.)	Street Ry. Office,Craig St.,Montreal, Canada.	
† 1876 Feb. 1.)	CUNNINGHAM, DAVID, F.R.S.E.	1881 Dec. 6.)	Harbour Chambers, Dundee.	
1881 Dec. 6.)	{ CUNNINGHAM, GEORGE MILLER, F.R.S.E... .. .. ..	1868 Dec. 1.)	135 George Street, Edinburgh.	
1873 Apr. 1.)	CURREY, ELIOTT SCARLETT ..	1873 Apr. 1.)	Erlwood, Bagshot.	
m { 1877 Dec. 4.)	*CUREY, MATTHEW .. .. ..	1886 Jan. 19.)	38 Woodside Road, S.E. [India.	
{ 1886 Jan. 19.)	*CURRY, THOMAS ELMITT ..	1891 Apr. 7.)	N.W.Ry., Bolan District, <i>via</i> Quetta,	
1883 Apr. 3.)	CUTHBERT, EDWIN .. .. ..	1883 Apr. 3.)	Drainage Board, Christchurch, N.Z.	

Date of Election  
and of Transfer.

## MEMBERS.

1876 May 2.	DAGLISH, GEORGE HEATON	..	..	Rock Mount, Aigburth, Liverpool. (Daglish,Aigburth,Liverpl. 2717.)		
t † 1867 May 21.	DAGLISH, JOHN	..	..	Rothley, Cambo, Northumberland. (Daglish, Longwitton, Morpeth.)		
1881 May 31.	DANBY, WILLIAM	..	..	Hong Kong.		
1871 Mar. 7.	DANGERFIELD, EDWARD	..	..	{ 40 Central Hill, Upper Norwood, S.E.		
1885 Feb. 3.	DANGERFIELD, PAUL WILLIAM			King, King & Co., Bombay.		
1873 Dec. 2.]	DARLEY, CECIL WEST	..	..	{ Harbours & Rivers Dept., Sydney, N.S.W.		
1879 Jan. 7.]	DARLEY, GEORGE JOHNSTONE	..		The Grange, Stillorgan, co. Dublin.		
1864 Feb. 2.	DARTNALL, WILLIAM WHITNEY	..		Perth, Western Australia.		
1883 Dec. 4.]	DAVEY, HENRY	..	..	3 Princes St., Westminster, S.W.		
W t † { 1877 Feb. 6.]	DAVIDSON, ALFRED	..	..	W. Watson & Co., Bombay.		
1878 May 21.]	DAVIDSON, JAMES YOUNG	..		13 Fairlawn Avenue, Acton Green, W.		
1884 May 6.	DAVIDSON, ROBERT	..	..	{ St. Anne's Chambers, St. Peter's Close, Sheffield.		
1876 Dec. 5.]	DAVIDSON, WILLIAM	..	..	P.W.D., Melbourne. Victoria.		
1885 Dec. 1.]	DAVIES, WILLIAM	..	..	The Celyn, Caergwle, Wrexham.		
1866 May 15.	DAVIS, HENRY WHEELER	..		5 Highbury Grove, N. [London.]		
1882 Mar. 7.	DAVIS, JOHN HENRY	..	..	3 Salters' Hall Court, E.C. (Faith.		
1889 Dec. 3.]	DAVIS, JOSEPH	..	..	Sewerage Dept., Sydney, N.S.W.		
1891 Nov. 9.]	DAWNEY, CHARLES	..	..	240 Calle San Martin, Buenos Ayres.		
1885 May 5.	DAWSON, GEO. JAMES CROSBIE	..		North Staffs. Ry., Stoke-on-Trent.		
1866 Dec. 4.]	DAWSON, JOSEPH	..	..	{ Engineer to the City Council, La Salle, Ill., U.S. America.		
1877 May 29.]	*DAWSON, WILLIAM ALFRED	..		21 Delahay St., Westminster, S.W.		
1884 Jan. 8.]	DAY, ARTHUR JAMES	..	..	Northam Iron Wks., Southampton.		
1883 Mar. 6.	DAY, JAMES EDWARD	..	..	Rev. M. Day, Killieuey, nr. Dublin.		
1871 Jan. 10.]	DEACON, GEORGE FREDERICK	..		32 Victoria Street, S.W. (3086.)		
T W t † { 1872 Dec. 3.]	DEACON, MAURICE	..	..	Blackwell Collieries, nr. Alfreton.		
1874 Jan. 6.]	DEAN, WILLIAM	..	..	G. W. Ry., Swindon.		
1886 Dec. 7.]	DEANE, HENRY, M.A.	..	..	Ry. Dept., Sydney, N.S.W.		
1892 Dec. 20.]	DEMPSEY, WILLIAM	..	..	18 Beauchamp Avenue, Leamington.		
1877 Mar. 6.]	DENHAM, CHARLES HENRY	..		Taljeriah, Craneswater, Southsea.		
1878 Jan. 15.]	DENNISON, GAVIN HADDEN	..		The Firs, Meadowbank, Oamaru, N.Z.		
1886 May 11.]	DENNY, PETER, F.R.S.E.	..		Dumbarton. (Denny, Dumbarton.)		
1866 Mar. 6.]	DENT, WILLIAM DENT, M.A.	..		{ 24 Devonshire Rd., Princes Pk., Liverpool.		
1870 Mar. 15.]	{ DENTON, EARLEY BAILEY,	..		9 Bridge Street, Westminster, S.W.		
1868 Feb. 4.	B.A. ..	..	..			
1889 Mar. 5.	DENTON, JOHN BAILEY	..	..	9 Bridge St., Westminster, S.W.		
1877 Apr. 10.]	DEPREE, CHARLES LAMBERT	..		3 Morley Road, Southport, Lanes.		
1863 Apr. 14.	DERRY, JOHN DICKSON	..	..	Horsham, Victoria.		
1891 Dec. 1.]	DE RUSSETT, EDWIN WILLIAM	..		Warden House, Tynemouth.		
1842 Apr. 5.]	B.A. ..	..	..	Ivy House, Urmston, Manchester.		
1860 Jan. 24.]	DIBBIN, HENRY ARTHUR	..		Office of Public Works, Dublin.		
1881 May 31.]	DICK, FREDERICK JOHN	..	..	{ Queensland Off., 1 Victoria Street, S.W.		
1889 Nov. 15.]	DICK, GAVIN GEMMELL	..	..			
1865 Dec. 5.]	1887 Nov. 15.]					
1878 May 28.]						
1868 Feb. 4.]						
1893 May 9.]						
1878 May 7.]						
1888 Apr. 10.]						
1893 May 2.]						
1877 Feb. 6.]						
1881 Nov. 15.]						

Date of Election  
and of Transfer.

## MEMBERS.

1887 May 24.	DICKEY, JAMES ALEXANDER ..	Amherst, Nova Scotia.
1860 Apr. 3.	DICKINSON, JAMES AUSTEN ..	Dungannon, Co. Tyrone.
1880 Apr. 6.	DILLON, JAMES .. ..	36 Dawson Street, Dublin.
1891 May 12.	DIXON, FREDERICK PARKER ..	Town Hall, Rathmines, co. Dublin.
1878 Feb. 5.)	DIXON, WAYNMAN .. ..	{ Cleveland Dockyd., Middlesbrough-on-Tees. (Dixon, Middlesbrough.)
1882 Nov. 27.)	DOBSON, ARTHUR DUDLEY ..	Harbour, Warrnambool, Victoria.
† 1882 Mar. 7.)	DOBSON, EDWARD .. ..	Hereford St., Christchurch, N.Z.
† 1881 Mar. 29.)	DOBSON, JAMES MURRAY ..	{ Buenos Ayres; & 33 Great George Street, S.W.
1873 Feb. 4.)	*DOBSON, THOMAS WEATHERBURN ..	6 Priory Road, Sheffield.
1854 Apr. 4.)	DODDS, THOMAS WEAVER ..	42 Queen St., Halifax, Nova Scotia.
1873 Apr. 1.)	DODWELL, CHARLES EDWARDS ..	Ex. Eng. for Irrigation, Ahmedabad,
1881 Apr. 5.)	WILLOUGHBY, B.A. .. ..	30 Cornwall Gardens, S.W. [India.]
1890 Feb. 18.)	DOIG, SCROPE BERDMORE ..	
1884 Dec. 2.)	DONALDSON, HAY FREDERICK ..	
1891 Apr. 7.)	DONALDSON, JOHN .. ..	Tower House, Chiswick.
1875 Dec. 7.)	DONALDSON, RICHARD HENRY ..	49 Lee Terrace, Lee, S.E.
1877 Dec. 4.)	DONKIN, BRYAN, JUN. .. ..	Eastnor Ho., Blackheath, S.E.
1863 Dec. 1.)	DONNISON, THOMAS OLINTHUS ..	May's Hill, Shortlands, Kent. (4662.)
1835 Mar. 10.)	DONKIN, BRYAN .. ..	County Surveyor, Armagh.
1840 Feb. 18.)	DORMAN, RICHARD HENRY ..	{ 41 John Dalton Street, Manchester. (Datum, Manchester.)
t † 1884 Feb. 5.)	DORNING, ELIAS .. ..	Stella House, Dulwich, S.E.
1887 Dec. 6.)	DOUGLASS, WILLIAM .. ..	Irish Lights Office, Dublin.
W t † 1861 Feb. 5.)	DOUGLASS, Sir JAMES NICHOLAS, F.R.S. (Vice-President.) ..	17 Victoria Street, S.W.
t † 1868 Mar. 3.)	DOUGLASS, WILLIAM .. ..	Marton Road, Middlesbrough.
T t † 1882 May 23.)	*DOUGLASS, WILLIAM TREGAR-THEN ..	{ 3 Great Queen Street, S.W. (Gaseous, London.)
1887 Dec. 6.)	DOWNEY, ALFRED CHRISTIAN ..	26 Grosvenor Rd., Rathmines, Dublin.
1883 May 1.)	DOWSON, JOSEPH EMERSON ..	East London, Cape Colony.
† 1871 Mar. 7.)	DRAPER, CARTER, B.A. ..	The Mount, Braughing, Herts.
† 1884 May 13.)	DRENNAN, WILLIAM .. ..	186 Bath Street, Glasgow.
1883 May 29.)	DREW, EDWARD ALEXANDER ..	Millwall Docks, E.
1882 Feb. 7.)	DRUMMOND, DUGALD .. ..	P.W. Office, Hobart, Tasmania.
t † 1881 May 31.)	DUCKHAM, FREDERIC ELIOT ..	Boro' Engineer, Huddersfield.
t † 1875 Feb. 2.)	DUFFY, WILLIAM .. ..	8 Gloucester St., Boston, Mass., U.S.
1878 Apr. 9.)	DUGDALE, RICHARD SWARBRICK ..	Melbourne, Victoria.
1885 Jan. 20.)	DUNCAN, Hon. GEO. ALEX. HAL-DANE .. ..	P.W.D., Quetta, India.
1882 Feb. 7.)	DUNCAN, GEORGE SMITH ..	Whitefield Works, Govan, Glasgow.
1887 Dec. 6.)	DUNCAN, PATRICK .. ..	Municipal Offices, Liverpool.
1892 Mar. 1.)	DUNCAN, ROBERT .. ..	3 Germiston Street, Glasgow.
1885 Dec. 1.)	DUNCAN, ROBERT .. ..	Nizam's Ry., Secunderabad, India.
1876 Mar. 7.)	DUNCANSON, ALEXANDER ..	{ 32 Victoria Street, S.W. (Persuade, London.)
1874 Dec. 1.)	DUNDAS, ROBERT .. ..	Ashton Lodge, near Bristol.
1883 Dec. 4.)	DUNLOP, CHARLES BLACKBURN ..	
1879 May 6.)	DUNSCOMBE, CLEMENT, M.A. ..	
1883 Jan. 23.)	DYKE, THOMAS, B.A. .. ..	
1869 Jan. 12.)	EACHUS, GEORGE EEDES ..	3 Great Queen Street, S.W.
1869 Dee. 7.)	EASTON, EDWARD .. ..	9 Delahay Street, S.W. (1449.)
1866 Dec. 4.)	ECKERSLEY, WILLIAM .. ..	12 Victoria Street, S.W. (4016.)
1871 Mar. 28.)	EDWARDS, ROBERT .. ..	R. Hornsby & Sons, Grantham.
1876 May 30.)		
1854 Apr. 4.)		
1872 Apr. 9.)		
1882 Feb. 21.)		

Date of Election  
and of Transfer.

## MEMBERS.

	1884 May 27.	{ ELGAR, Prof. FRANCIS, LL.D. F.R.S.E. .. .. .. }	113 Cannon Street, E.C.
†	{ 1872 Feb. 6. 1878 Jan. 29.	ELIOT, WHATELY .. .. ..	Eliot & Co., Old Bank, Weymouth.
T t †	1866 Apr. 10.	ELLACOTT, JOHN .. .. ..	1 Landscore Villas, Teignmouth.
	1874 Dec. 1. 1882 May 23.	{ ELLICE-CLARK, EDWD. BAUDOUIN	34 Victoria Street, S.W.
W t †	1882 Dec. 5.	ELLINGTON, EDWARD BAYZAND	{ 9 Bridge Street, Westminster, S.W. (Hydrower, London.)
	1856 Mar. 4.	ELLIOT, Sir GEORGE, Bart. ..	23 Great George Street, S.W.
	1872 Feb. 6.	ELLIOTT, JOHN .. .. ..	31 Via S. Spirito, Florence.
	1880 Mar. 2.	ELLIS, ATTWILL .. .. ..	S. Ind. Ry., Chingleput, Madras.
	1884 Jan. 8.	ELLIS, JOHN DEVONSHIRE ..	Atlas Works, Sheffield. [chester.
	1866 Apr. 10. 1884 Mar. 18.	{ ELLIS, WILLIAM IRLAM ..	62 Ward's Bldgs., Deansgate, Man-
	1870 Apr. 5.	ELSDON, WILLIAM .. .. ..	George St., East Melbourne, Victoria.
	1873 May 6. 1878 Apr. 9.	{ ELWES, RICHARD GERVASE ..	{ 13 Victoria Street, S.W. (Gerwell, London. 3034.)
	1873 Dec. 2. 1893 May 9.	*ELWIN, CHARLES .. .. ..	{ County Council, Spring Gardens, S.W. [U.S.
W t †	1888 Dec. 4.	ELY, THEODORE NEWEL ..	Pennsylvania Railroad, Altoona, Pa., U.S.
	1886 Apr. 6.	EMERY, CHARLES EDWARD ..	370 Greene Av., Brooklyn, N.Y., U.S.
	1876 May 2. 1883 Nov. 6.	{ EMMOTT, PHILIP RICKMAN ..	Brackendene, Parkstone, Poole.
T t †	{ 1876 Mar. 7. 1884 Jan. 22.	ENDE, MAX AM .. .. ..	5 Victoria Street, S.W.
	1878 Feb. 5.	ERRINGTON, WILLIAM .. .. ..	{ Salisbury Buildings, Bourke St. W., Melbourne, Victoria.
	1881 Dec. 6.	ESCOTT, EDWARD RICE SWEET ..	Town Hall, Halifax, Yorks.
	1890 May 6.	EVANS, CHARLES THOMAS ..	P. W. D., Cawnpore, India.
	1882 Mar. 7.	EVANS, MORTIMER .. .. ..	Cyfarthfa Works, Merthyr Tydfil.
	1890 Dec. 2.	EVANS, WILLIAM .. .. ..	29 Park Place, Cardiff.
	1884 May 27.	EVENS, THOMAS .. .. ..	6 Millstone Lane, Leicester.
	1870 May 3. 1886 Mar. 1	*EVERARD, JOHN BREEDON ..	
†	{ 1841 Mar. 23. 1865 Dec. 5. 1884 May 6.	EVILL, WILLIAM .. .. ..	26 Collingham Gardens, S.W.
	1882 Jan. 10. 1891 Nov. 3.	{ EWART, HENRY .. .. ..	Waterworks, Colombo, Ceylon.
	1891 Mar. 3.	{ EWING, Prof. JAMES ALFRED, M.A., B.Sc., F.R.S.S.L. & E. ..	Langdale Lodge, The Avenue, Cam- bridge.
	1874 Dec. 1. 1880 Nov. 9.	{ EYLES, GEORGE LANCELOT ..	2 Delahay Street, Westminster, S.W.
†	1879 May 27.	FAHEY, CHARLES SWAINE ..	7 Thorney Hedge Rd., Gunnersbury.
	1880 Dec. 7.	FAHIE, WILLIAM JOSEPH ..	49 Ailesbury Road, Dublin.
†	{ 1875 Jan. 12. 1884 May 20.	FAJJA, HENRY .. .. ..	2 Great Queen Street, S.W.
	1864 Jan. 12.	FALKINER, TRAVERS HARTLEY ..	3 Victoria Street, S.W. (3065.)
†	{ 1887 Dec. 6. 1891 Jan. 27.	FARRAR, SIDNEY HOWARD ..	{ P.O. Box 455, Johannesburg, Transvaal.
	1868 Apr. 7. 1877 Oct. 30.	{ FENNER, HENRY ALGERNON, SHRAPNEL .. .. ..	P.W.D., Rawal Pindi, India.
	1867 Feb. 5. 1871 May 2. 1884 Oct. 14.	{ FENWICK, THOMAS .. .. ..	{ 1 Park Place, Leeds. (Fenwick Engineer, Leeds.)
	1877 Apr. 10. 1880 Dec. 7. 1893 May 16.	{ FERGUSON, HENRY TANNER ..	Wolleigh, Bovey Tracey.
	1862 Dec. 2. 1869 Feb. 23.	{ FERNIE, JOHN .. .. ..	Coney Park, Bridge of Allan, N.B.
W t m †			Harbour Board, Wellington, N.Z.
			Hutchinson, Kansas, U.S.

Date of Election  
and of Transfer.

## MEMBERS.

1867 May 21,	FERRAR, WILLIAM GREY ..	Broad St. House, Old Broad St., E.C.
1877 Oct. 30,		Mount Pleasant, Gibraltar.
1879 Jan. 14.	FFORDE, JAMES .. .. ..	Belgrave Rd., Tyndall's Pk., Bristol.
1881 Mar. 1.	FIDDES, WALTER .. .. ..	University College, Dundee.
t ♫ 1880 Jan. 13.	FIGLER, Prof. THOS. CLAXTON	P.W.D., Patiala, Punjab.
1891 Feb. 3.	FIELD, GEORGE ROBERT MOYLE	{ 108 Westminster Bridge Road, S.E. (4681.)
1857 Mar. 3,	FIELD, JOSHUA .. .. ..	7 Victoria Street, S.W.
1862 May 20,		Atlas Works, Gloucester.
1866 Jan. 9,	FIELD, ROGERS, B.A. .. .. ..	3 Rosslyn Hill, Hampstead, N.W.
1877 May 29,		Eng.-in-Ch., Hobart, Tasmania.
1886 Feb. 2.	FIELDING, JOHN .. .. ..	13 Victoria Street, S.W.
1863 Feb. 3.	FILLISTER, EDWARD .. .. ..	Railway Dept., Sydney, N.S.W.
1885 Feb. 3.	FINCHAM, JAMES .. .. ..	H.M. Dockyard, Chatham.
1881 Feb. 1,	FINLAY, CHARLES FARQUHAR,	L. and S. W. Ry., Exeter.
1889 Mar. 12,	M.A. .. .. .. ..	Ty Mynydd, Radyr, Cardiff.
1876 Dec. 5.	FIRTH, THOMAS RHODES .. ..	C. Fitch, 29 Bedford Row, W.C.
1889 Feb. 5.	FISHENDEN, FREDERIC GEORGE	{ 9 Mount St., Manchester. (Steam Users', Manchester.)
1876 Feb. 1,		13 Palace Gardens Terrace, W.
1878 May 14,	FISHER, BEN JAMES .. .. ..	Box 916, Los Angeles, Cal., U.S.
1875 Dec. 7,	FISHER, HENRY OAKDEN ..	{ Enderby, Laurie Park Road, Syden- ham, S.E.
1881 May 31,		11 Queen Anne's Gate, S.W.
1879 Dec. 2,	FITCH, BENNETT .. .. ..	2 Portman Mansions, Baker St., W.
1884 Nov. 25,		Ferro Carril Mexicano, Mexico.
† { 1879 Feb. 4,	FLANNERY, JAMES FORTESCUE	Borough Surveyor, Oldham.
1885 Mar. 3,		L. & N. W. Ry., Crewe.
1871 May 23,	FLEMING, SANDFORD, C.M.G..	F. C. Taltal, Taltal, Chili.
† { 1851 Mar. 4,	FLETCHER, LAVINGTON EVANS	34 Great George Street, S.W.
† { 1880 Apr. 27,		4 Great Winchester Street, E.C.
1871 Dec. 5,	{ FLOYD, WALTER COMBERMERE	160 Hope Street, Glasgow.
1885 Nov. 10,	{ LEE .. .. .. ..	160 Hope Street, Glasgow.
1893 Mar. 7,	FLYNN, PATRICK JOHN .. ..	{ 19 Paseo de la Estacion, Salamanca, Spain.
1863 Apr. 14.	FOGERTY, JOSEPH .. .. ..	H. S. King & Co., 45 Pall Mall, S.W.
1863 Dec. 1,		{ Farmley Hill, Corbridge, Northum- berland.
1885 Feb. 24,	FOGG, ROBERT .. .. ..	23 John Dalton Street, Manchester.
1865 May 2,	FOLKARD, ARTHUR CROUCH ..	{ 2 Montgomery Quadrant, Kelvin- side, Glasgow.
1869 Dec. 7,		1 St. Peter's Square, Manchester.
1880 Dec. 7.	FOOT, GEORGE .. .. ..	1 Cambridge Rd., Norbiton.
1881 Apr. 5.	FOOTE, ANDREW .. .. ..	
† { 1867 May 7,	FOOTNER, HARRY .. .. ..	
1877 May 1,	FORBES, EDMUND BATTEN ..	
1889 Mar. 5,	{ FORBES, Professor GEORGE, M.A. F.R.S.S.L. & E. ..	
† { 1857 Feb. 3,	FORDE, HENRY CHARLES ..	
† { 1862 Feb. 11,		
1887 Dec. 6.	FORMAN, CHARLES DE NEUVILLE	
1866 May 1.	FORMAN, JAMES RICHARDSON	
1874 Jan. 13,		
1882 Jan. 10,	FORREST, JACOB .. .. ..	
1872 Dec. 3.	FORREST, ROBERT EDWARD ..	
1867 May 21.	FORSTER, GEORGE BAKER, M.A.	
1887 Apr. 5.	FOSTER, THOMAS BARHAM ..	
1874 Feb. 3.	FOULIS, WILLIAM .. .. ..	
1869 Feb. 2,	FOWLER, ALFRED MOUNTAIN ..	
1875 Jan. 26,		
1873 Feb. 4,	*FOWLER, ALPIN GRANT .. ..	
1883 Dec. 11,		
† { 1871 Feb. 7,	FOWLER, GEORGE .. .. ..	
† { 1877 Dec. 18,		
1844 Feb. 6.	{ FOWLER, Sir JOHN, Bart., K.C.M.G., I.L.D. (Past- President) .. .. ..	{ 2 Queen Square Place, S.W. (Ogilist, London, 3033.)

Date of Election  
and of Transfer.

## MEMBERS.

1882 Dec. 5.	*FOWLER, PERCIVAL .. ..	..	{ 16 St. Helen's Place, E.C. (Ingenieur, London.)
1888 Nov. 27.			
1869 Mar. 2.	FOX, ARTHUR DOUGLAS .. ..	..	1 Chesham Place, Brighton.
1880 Nov. 2.	{ FOX, Sir DOUGLAS .. ..	..	{ 28 Victoria Street, S.W. (3010.)
T t m ♫ 1866 Feb. 6.	(Member of Council) .. ..	..	
t ♫ 1860 Apr. 3.	FOX, DANIEL MAKINSON .. ..	..	C. H. Fox, Broad St. House, E.C.
T ♫ 1860 May 1.	FOX, FRANCIS .. ..	..	Alpenfels, Leigh Woods, Bristol.
T S t ♫ { 1870 Dec. 6.	Fox, FRANCIS .. ..	..	28 Victoria Street, S.W. (3010.)
{ 1874 Mar. 17.			
1882 Mar. 7.	FOX, FREDERICK GEORGE BROOK .. ..	..	East Coast Ry., Chiacole, Madras.
1891 Mar. 24.			
1878 May 7.	FOX, JOHN HINGSTON .. ..	..	24 Clare Street, Bristol.
1881 Apr. 5.	FOX, SAMSON .. ..	..	Leeds Forge, Leeds.
† 1877 Dec. 4.	FOX, WILLIAM .. ..	..	5 Victoria Street, S.W.
1877 Jan. 16.	{ *FOXLEE, WILLIAM THEODORE .. ..	..	Ry. Commission, Sydney, N.S.W.
1884 May 27.			
† { 1880 Jan. 13.	FRANCIS, JOSEPH .. ..	..	New River Off., Clerkenwell, E.C.
{ 1883 Apr. 17.			
1889 Dec. 3.	FRANKLIN, FREDK. AUGUSTUS .. ..	..	21 Bligh St., Sydney, N.S.W.
† 1870 Dec. 6.	FRASER, ALEXANDER .. ..	..	Waterworks Co., Campden Hill, W.
1873 Dec. 2.	{ FRASER, JAMES .. ..	..	{ 100 Castle Street, Inverness. (Fraser, Civil Engineer, Inverness.)
1883 May 22.			
t ♫ 1862 May 6.	FRASER, JAMES GRANT .. ..	..	9 Great Queen Street, S.W.
1875 Feb. 2.	{ FRASER, PHILIP AFFLECK .. ..	..	Moniack, Beauly, N.B.
1888 Nov. 20.			
† { 1882 Dec. 5.	FRECHEVILLE, ROBERT JAMES .. ..	..	{ 33 Broad Street Avenue, E.C. (Fratribus, London, 2456)
{ 1889 Jan. 15.			
1887 Apr. 5.	{ FREITAS, Dr. ANTONIO DE PAULA .. ..	..	Rua Marquez d'Abrantes 52, Rio de Janeiro.
1878 May 7.	{ *FRIEND, CHARLES ARTHUR .. ..	..	San Vicente 17, Seville, Spain.
1892 Jan. 26.			
1884 May 27.	FROUDE, ROBERT EDMUND .. ..	..	{ Admiralty Experiment Wks., Gosport. (Froude, Claremont, Alverstoke.)
† { 1864 Feb. 2.	FULLER, GEORGE .. ..	..	71 Lexham Gds., Kensington, W.
{ 1878 Jan. 29.			
1858 Dec. 7.	FULLER, GEORGE LEEDHAM .. ..	..	Criccieth, Carnarvonshire.
1864 Dec. 6.			
1881 Dec. 6.	FULTON, JAMES EDWARD .. ..	..	W. & Manawatu Ry., Wellington, N.Z.
1888 Nov. 20.			
1862 Dec. 2.	FURNIVALL, WILLOUGHBY CHAS.	..	H. S. King & Co., 65 Cornhill, E.C.
m { 1875 May 4.	{ *FYSON, ALFRED .. ..	..	21 Delahay St., Westminster, S.W.
{ 1884 May 27.			
1877 Feb. 6.	GABBETT, EDMOND RICH .. ..	..	Corbally Cottage, Old Charlton.
1891 Dec. 8.			
1872 May 7.	Gael, CHARLES EDWARD, B.A. ..	..	Charlton Kings, Cheltenham.
1878 May 14.			
1886 May 18.	{ GAHAN, HENRY HERBERT .. ..	..	P.W.D., Vizagapatam, India.
1892 Apr. 26.			
1865 Mar. 7.	GALBRAITH, WILLIAM ROBERT .. ..	..	20 Victoria Street, S.W. (3143.)
1866 Feb. 6.	GALE, HENRY .. ..	..	45 Elvaston Place, Queen's Gate, S.W.
1864 Feb. 2.	GALE, JAMES MORRIS .. ..	..	45 John Street, Glasgow.
1886 Jan. 12.	{ GALIZIA, Hon. EMMANUEL LEWIS .. ..	..	64 Strada Vescovo, Valetta, Malta.
1886 Mar. 2.	GALLOWAY, CHARLES JOHN .. ..	..	{ Knott Mill Ironworks, Manchester. (Galloway, Manchester.)
† 1886 Dec. 7.	GALWEY, WILLIAM, M.E. .. ..	..	Waterworks Co., Monte Video.
1891 Mar. 3.	GAMBLE, FRANCIS CLARKE .. ..	..	D.P.W., Victoria, British Columbia.
1867 Dec. 3.	{ GANDON, CHARLES .. ..	..	Crystal Palace Gas Co., S.E.
1881 May 31.			
1883 Dec. 4.	{ GANGA RAM, Rai Bahadur .. ..	..	Ex. Eng., P. W. D., Lahore, India.
1888 Nov. 20.			
1876 Dec. 5.	GARBETT, HUBERT .. ..	..	Rushen Ho., Castletown, Isle of Man.

Date of Election  
and of Transfer.

## MEMBERS.

1851 May 6.	GARDNER, JOHN .. .. ..	74 Talbot Road, Bayswater, W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1850 Feb. 8.	GARFORTH, WILLIAM EDWARD .. .. ..	Halesfield, Normanton, Yorks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1891 Mar. 3.	GARFORTH, WILLIAM EDWARD .. .. ..	Commr. P.W., Johore, Malay, S.S.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1873 Dec. 2.	*GARLAND, WALTER FAITHFULL .. .. ..	21 Winckley Square, Preston. (28.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1887 Oct. 25.	GARLICK, EDWARD .. .. ..	Hermitage, West Street, Ryde.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1861 Jan. 8.	GARNETT, GEORGE .. .. ..	{Leiston Works, Suffolk. (Garrett, Leiston.) [Mon.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1859 Mar. 1.	GARRETT, FRANK .. .. ..	Hazlewood, Stow Park, Newport,																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1881 May 3.	GARWOOD, ALFRED EDWARD .. .. ..	{Assam-Bengal Ry., Chittagong, Assam.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1869 May 11.	GASKELL, JAMES STRANACK .. .. ..	14 Victoria Street, S.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1880 Dec. 21.	GASKELL, THOMAS PENN .. .. ..	Town Hall, St. Helens, Lancs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1872 Jan. 9.	GASKIN, DONALD MACDONALD .. .. ..	26 Apsley Rd., Clifton, Bristol.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1878 Feb. 26	GATHERER, ARTHUR BRANDER .. .. ..	Hyderabad, Deccan, India.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1883 Dec. 4.	GASKELL, THOMAS PENN .. .. ..	7 Westbourne Villas, West Brighton.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1892 Feb. 9.	GEE, WILLIAM .. .. ..	Assam-Bengal Ry., Feni, Bengal.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1868 Dec. 1.	GAVEY, GEORGE EDWARD .. .. ..	{Shepton Montague, Castle Cary, Somerset.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1885 Dec. 15.	GEOGHAN, HENRY THOMAS .. .. ..	E. I. Ry., Howrah, Calcutta.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1875 Mar. 2.	GERRARD, ARTHUR STAPLES .. .. ..	{Office of Depy. Consulting Eng. for Rys., Lucknow.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1881 Nov. 29.	FORD .. .. ..	{Pernambuco; and Thatched House Club, St. James's, S.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1882 May 2.	GATHERER, ARTHUR BRANDER .. .. ..	G. W. Ry., Eng.'s Office, Plymouth.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1879 May 6.	GAUNTLETT, DEAN .. .. ..	Swinton, Manchester.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1885 Feb. 24.	GILBERT, CHARLES FREDERIC .. .. ..	P.W.D., Monywa, Upper Burma.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1864 May 3.	GILCHRIST, PERCY C., F.R.S. .. .. ..	9 Bridge St., S.W. (Gilchrist, London.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1891 Dec. 1.	GILCHRIST, WILLIAM GILCHRIST .. .. ..	Grindlay, Groom & Co., Bombay.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1877 May 29.	GEORGE, EDWARD MONSON .. .. ..	T <sup>†</sup> 26 Great George Street, S.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1890 Mar. 25.	GILES, ALFRED BRYDGES .. .. ..	26 Great George Street, S.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1877 Jan. 16.	GILES, ALFRED BRYDGES .. .. ..	Harbour Works, Belfast.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1888 Nov. 27.	GILHEWY, ALBERT BROWN .. .. ..	Lynnside, Kendal.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1876 Mar. 7.	GIBBONS, THOMAS HUGHES .. .. ..	Bureau der Wasserwerke, Berlin.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1879 May 27.	GIBSON, ARTHUR SUMNER .. .. ..	t <sup>†</sup> {Orenera Iron Ore Co., Apartado 42, Bilbao, Spain.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1882 Jan. 10.	GILBERT, CHARLES FREDERIC .. .. ..	t <sup>†</sup> Butterley Ironworks, nr. Alfreton. (Butterley, Alfreton.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1888 Dec. 4.	GILBERT, CHARLES FREDERIC .. .. ..	Orrell Post, Orrell, Wigan.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1892 Dec. 6.	GILKES, GILBERT .. .. ..	Suptg. Eng. P.W.D., Nagpur, C.P., India.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1846 Mar. 3.	GILES, ALFRED (President) .. .. ..	19 Prince Patrick Ter., North Circular Rd., Dublin.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1846 Mar. 3.	GILES, ALFRED BRYDGES .. .. ..	Lillington, Moray St., New Farm, Brisbane, Queensland.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1881 Feb. 1.	GILES, GEORGE FREDERICK LEE .. .. ..	9 Bath Terrace, Tynemouth.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1888 May 8.	GILES, GEORGE FREDERICK LEE .. .. ..	1869 Dec. 7.	GILROY, GEORGE .. .. ..	Via Amedeo 45, Naples.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1886 Apr. 6.	GILKES, GILBERT .. .. ..	1876 Dec. 5.	GLASS, JAMES GEORGE HENRY, .. .. ..	Coopers Hill, Bracknell, Berks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1892 Dec. 6.	GILL, HENRY .. .. ..	1881 Dec. 6.	C.I.E. .. .. ..	Constitutional Club, W.C.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
t <sup>†</sup> 1860 Dec. 4.	GILL, WILLIAM .. .. ..	1885 Apr. 14.	GLOVER, EDWARD, M.A., B.E. .. .. ..	1879 Feb. 25.	GILLA, LUCIEN ALEXANDER .. .. ..	1879 Feb. 25.	GOCCH, JOHN VIRET .. .. ..	1854 May 2.	GOCCH, WILLIAM FEEDERICK .. .. ..	1874 May 12.	GOOD, CHARLES .. .. ..	1879 Feb. 4.	GOLDSON, CHARLES BROWNE, M.A. .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1883 May 8.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1889 Apr. 30.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1873 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1877 Dec. 11.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1869 Dec. 7.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 25.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1874 May 12.	GOLDSMITH, ALFRED JOSEPH .. .. ..	1879 Feb. 4.	GOLDSMITH, ALFRED JOSEPH .. .. ..

Date of Election  
and of Transfer.

## MEMBERS.

†	1886 Feb. 2.	GOOD, WILLIAM .. .. ..	Mutra, N.W.P., India.
	1883 Mar. 6.	GOODALL, JOHN .. .. ..	Auckland, N.Z.
	1892 Dec. 6.	GOODWIN, GILBERT SMITH ..	{ Alexandra Bldgs., James St., Liver- pool.
	1878 Feb. 5.)	*GOODWIN, SINGLETON, B.E. ..	{ Co. Surveyor's Office, Tralee, co. Kerry.
	1891 Jan. 27.)		Gt. So. & Wn. Ry., Cork.
	1884 Feb. 5.	GORDON, ALBERT, B.E. ..	English, Scottish and Australian Chartered Bk., 38 Lombard St., E.C.
T t †	1867 Dec. 3.	GORDON, GEORGE .. .. ..	6 Pilmour Place, St. Andrews, N.B.
T t †	1874 Dec. 1.	GORDON, ROBERT .. .. ..	Bradford, Yorkshire.
	1863 Apr. 14.)	GOTT, CHARLES .. .. ..	
	1867 Apr. 30.)		119 Gresham House, Old Broad Street, E.C.
	1863 Jan. 13.)	GOTTO, EDWARD .. .. ..	
	1870 Dec. 13.)		The Logs, Hampstead Heath, N.W.
	1884 Apr. 1.)	GOTTO, FRANK .. .. ..	
‡	1866 May 15.)	GOWER, CHARLES FOOTE ..	Nova Scotia House, Ipswich.
‡	1877 Dec. 11.)		
	1884 Dec. 2.)	{ GOWER, ERASMIUS HENRY MAU- RITIUS .. .. ..	E. Z. Holme, 17 Philpot Lane, E.C.
	1873 Apr. 1.)	*GRAHAM, CHARLES BENJAMIN ..	11 Onslow Gardens, S.W.
	1882 Jan. 3.)		Caledonian Ry., Buchanan Street, Glasgow.
	1889 Dec. 3.)	GRAHAM, GEORGE .. .. ..	{ Central Argentine Ry., Rosario, Argentina.
	1874 Mar. 3.)	*GRAHAM, MALCOLM .. .. ..	35 Chester Square, S.W.
	1879 Nov. 25.)		
	1857 Feb. 3.	GRAHAM, ROBERT WILFRID ..	H. S. King & Co., 45 Pall Mall, S.W.
	1874 Dec. 1.)		
	1886 Nov. 23.)	GRANT, JOHN DUNCAN ..	
	1888 Mar. 6.)		{ Govt. Rys., Touws River, Cape Colony.
	1892 Nov. 1.)	GRANT, JOHN MAITLAND ..	
	1875 Dec. 7.)	*GRANT-DALTON, ALAN ..	Govt. Rys., Cape Town, C. C.
	1884 Mar. 25.)		
	1881 Feb. 1.)	*GRANT-DALTON, MALCOLM ..	{ Transandino Ry., Mendoza, Argen- tina.
	1890 May 20.)		
	1874 Jan. 13.)	GRANTHAM, RICHARD FUGE ..	Northumberland Chambers, North- umberland Avenue, W.C.
	1886 Apr. 6.)		
	1878 Dec. 3.	GRAY, GEORGE EDWARD ..	1115 Bush St., San Francisco, U.S.
	1891 Mar. 3.	GRAY, HENRY ALFRED ..	151 Sherbourne St., Toronto, Canada.
	1872 May 7.	GRAY, JOHN WILLIAM ..	Water Dept., Birmingham.
	1890 Mar. 4.	GRAY, ROBERT KAYE ..	106 Cannon Street, E.C.
	1888 Feb. 7.	GRAY, THOMAS .. .. ..	Underhill, Port Talbot, S. Wales.
	1881 Apr. 5.	GREATHEAD, JAMES HENRY ..	15 Victoria Street, S.W.
	1891 Dec. 1.	GREEN, JAMES GEORGE ..	Honda, U.S.A., Colombia.
	1876 Mar. 7.	GREENBANK, HENRY ..	38 Mount Park Rd., Ealing, W.
	1886 Dec. 7.)	GREENE, WILLIAM HENRY ..	Australian Club, Melbourne, Victoria.
	1870 Feb. 1.)	GREENWELL, GEO. CLEMENTSON ..	Duffield, Derby.
	1887 Mar. 1.)	GREENWELL, GEO. C., Jun. ..	Poynton, Cheshire. [Leeds.]
	1881 Dec. 6.)	GREENWOOD, ARTHUR ..	Albion Works, Leeds. (Greenwood,
	1889 Dec. 3.)	GREENWOOD, GEORGE ..	16 Great George Street, S.W.
W t †	(1881 May 31.)	GREENWOOD, WILLIAM HENRY, Wh. Sc.	{ Adderley Park Works, Birmingham. (Ammunition, Birmingham. 341.)
	1886 Dec. 7.)		
	1892 Dec. 6.	GREER, WILLIAM JOHN ..	36 Southbrook Rd., Lee, S.E.
T †	(1838 Feb. 13.)	GREGORY, Sir CHAS. HUTTON, K.C.M.G. (Past-President)	2 Delahay Street, Westminster, S.W.
	(1845 Feb. 18.)		(Gregory, London.)
	1885 Dec. 1.	GRESHAM, JAMES .. .. ..	{ Craven Ironworks, Manchester. (Brake, Manchester. 613.)
	1883 Mar. 6.	GRIER, WILLIAM MAGEE ..	P. W. D., Cape Town, C.C.
	1875 Dec. 7.)	GRIFFITH, FREDERICK ..	Waterworks Office, Leicester.
	1886 Nov. 2.)		
m †	(1877 Dec. 4.)	GRIFFITH, JOHN PURSER ..	Port and Docks Office, Dublin.
	(1883 May 29.)		
	1888 Dec. 4.)	GRIMSHAW, JAMES WALTER ..	Australian Club, Sydney, N.S.W.
	1893 Feb. 28.)		

Date of Election  
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## MEMBERS.

1892 Dec. 6.	GRINLING, ARTHUR JAMES ..	32 Friar Gate, Derby.
1883 Mar. 6.	GROTHE, ALBERT .. ..	Rayette, Idaho, U.S.
1875 Mar. 2.	GROVES, HERBERT .. ..	P. W. D., Bangalore, India.
1883 Jan. 9.		
† 1884 Apr. 1.	{ GRÜNEWALD, JORGE RADE- MAKER .. .. .. .. ..	Rua de Leste, Rio de Janeiro.
† 1883 Dec. 4.	GUPPY, THOMAS RICHARD ..	Naples.
1856 Feb. 5.	GWINNE, JAMES EGLINTON AN-	{ Brook Street Works, Holborn, E.C. (Gwynnegram, London.)
1870 Apr. 26.	DERSON .. .. .. .. ..	
1870 Mar. 1.	GWINNE, JOHN .. .. ..	89 Cannon St., E.C. (Gwynne, Lond.)
1881 Feb. 1.	{ GZOWSKI, Col. Sir CASIMIR STA- NISLAUS, K.C.M.G., A.D.C. }	The Hall, Toronto, Canada.
1881 Dec. 6.	HACK, HENRY .. .. .. ..	Gasworks, Saltley, Birmingham.
1879 Feb. 4.	*HADDON, HENRY EDMUNDS,	
1893 Feb. 21.	B.A.	Rockliffe, Great Malvern.
1881 May 3.	HAIRE, ROBERT .. .. ..	Board of Works, Dublin.
1879 Feb. 4.		
1891 Dec. 15.	HALES, WILLIAM PRIOR .. ..	Ry., Strahan, Tasmania.
1885 Dec. 1.	HALL, JOHN FRANCIS .. ..	Norbury, Pitsmoor, Sheffield.
† 1858 Dec. 7.	HALL, WILLIAM .. .. ..	9 Great Queen Street, S.W.
† 1881 Feb. 22.		1 Chilworth Street, W.
1880 Dec. 7.	HALLETT, HOLT SAMUEL ..	115 Bute Docks, Cardiff.
1886 Dec. 7.	HALLETT, JOHN HARRY ..	
1890 Feb. 4.		{ 17 Victoria Street, S.W. (Halpin, London. 3075.)
1871 May 2.	HALPIN, DRUITT .. .. ..	
1880 Feb. 27.	HAMILTON, ARCHIBALD .. ..	New Dock Wks., Govan, N.B.
1888 Mar. 6.		{ Tramways Trust, 497 Collins St., Melbourne, Victoria.
1879 Dec. 2.	HAMILTON, TALEOT .. ..	
† 1877 Jan. 16.	HAMILTON - SMYTHE, ARTHUR	{ Midland Great Western Railway of Ireland, Dublin.
† 1880 Dec. 14.	JAMES, B.A. .. .. ..	
1875 Mar. 2.	HAMMOND, WALTER JOHN ..	36 Lime Street, E.C.
1884 Jan. 2.		
1885 Dec. 1.	HANN, EDMUND MILLS .. ..	Aberaman, Aberdare.
1887 Dec. 6.	HANNAFORD, EDMUND PHILLIPS	Grand Trunk Ry., Montreal, Canada.
1877 May 29.		
1885 Feb. 3.	HANSON, CHARLES RASTRICK ..	Ry., Batu Gajah, Perak, S.S.
1887 May 24.		
1891 Jan. 13.	HARDING, JOHN REGINALD ..	I. M. Customs, Amoy, China.
t m † 1872 Mar. 5.	*HARDING, JOSIAH .. .. ..	Richardson & Co., Pisagua, Chili.
1877 Apr. 17.	HARGRAVE, CHARLES TOWNS-	Inspector General of Roads, Adelaide,
1863 Apr. 14.		South Australia.
1879 Feb. 4.	HEND .. .. .. .. ..	
1885 Dec. 1.	HARGRAVE, H.J. BENNET, M.A.	B. B. & C.I. Ry., Fort Bombay, India.
1890 Dec. 2.	*HARRINGTON, HERET. SEPTIMUS	P.W.D., Rawal Pindi, India.
1881 May 31.	HARPUR, WILLIAM .. .. ..	197 Severn Road, Cardiff.
1888 Nov. 27.		
1881 Apr. 5.	HARRINGTON, TIMOTHY .. ..	57 Gracechurch Street, E.C.
1874 Dec. 1.		
1882 Feb. 28.	HARRIS, EDMUND LEGH .. ..	Odessa, Russia.
1848 Mar. 7.	HARRIS, GEORGE WILLIAM ..	Millicent, South Australia.
1853 Jan. 26.		
1877 Dec. 4.	HARRIS, HENRY GRAHAM ..	{ 5 Great George St., S.W. (Well- bрам, London. 3060.)
1886 Nov. 16.		
1874 Apr. 14.	HARRIS, RICHARD READER ..	1 Temple Gds., Temple, E.C.
1879 May 27.		
1891 Mar. 3.	HARRIS, ROBERT LEWIS .. ..	1 Broadway, New York, U.S.
† 1877 Apr. 10.	HARRISON, CHARLES AUGUSTUS	N.E. Ry., Newcastle-on-Tyne.
1885 Dec. 1.	HARRISON, JOHN .. .. ..	31 Spring St., Hull.
1857 Apr. 7.	HARRISON, JOSEPH .. .. ..	Llanwye, Hampton Pk., Hereford.
1864 Apr. 12.		

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and of Transfer.

## MEMBERS.

	1870 May 3.	HART, JOHN HENRY EUSTACE	II. S. King & Co., 65 Cornhill, E.C.
†	1881 May 31.	HART, JOHN WILLIAM .. ..	10 Victoria Street, S.W.
T t L	1856 Dec. 2.)	{ HARTLEY, Sir CHARLES, K.C.M.G., F.R.S.E. ..	26 Pall Mall, S.W.
W m	1862 Apr. 1.)	{ (Member of Council.)	
	1874 Dec. 1.)	HARVEY, HENRY BEECROFT ..	P. W. D., Badulla, Ceylon.
	1890 May 20.)		
	1874 Dec. 1.)	HARVEY, WILLIAM .. ..	Ajmere, Rajputana, India.
	1882 Apr. 18.)		
	1891 Apr. 7.)	HASKINS, WILLIAM .. ..	City Eng., Hamilton, Ont., Canada.
	1866 Mar. 6.)	HASSARD, RICHARD .. ..	1 Victoria Street, S.W.
	1885 May 5.)	HASWELL, CHARLES HAYNES ..	42 Broadway, New York, U.S.
‡	1879 May 6.)	HAWGOOD, HARRY .. ..	{ Southern Pacific Co., Los Angeles, Cal., U.S.
W m	1889 Nov. 15.)		
	1892 Apr. 5.)	HAWKS, JAMES DUDLEY ..	Central Railroad, Detroit, Mich., U.S.
‡	1867 Feb. 5.)	{ HAWKSHAW, JOHN CLARKE, M.A. (Member of Council.)	33 Great George Street, S.W.
	1874 Mar. 10.)		
	1867 May 21.)	{ HAWKSLEY, CHARLES (Mem- ber of Council.) .. ..	30 Great George Street, S.W.
	1840 Apr. 7.)	{ HAWKSLEY, THOMAS, F.R.S. (Past-President.)	30 Great George Street, S.W.
	1891 Dec. 1.)	HAY, PETER SETON, M.A. ..	P.W.D., Wellington, N.Z.
‡	1881 Mar. 1.)	HAY, ROBERT .. ..	Dunedin, N.Z.
‡	1885 Feb. 24.)		
	1883 Apr. 3.)	HAYES, EDWARD .. ..	Stony Stratford.
	1892 Nov. 8.)	{ HAYTER, HARRISON .. ..	33 Great George Street, S.W.
T t	1862 May 6.)	{ (Past-President.)	
	1848 June 6.)	HAYWOOD, Lt.-Col. WILLIAM ..	Engineer's Office, Guildhall, E.C.
	1853 Apr. 26.)		
	1875 Mar. 2.)	HEAD, JEREMIAH .. ..	Middlesbrough.
	1889. Feb. 5.)	HEAD, JOHN .. ..	10 Queen Anne's Gate, S.W.
	1884 Dec. 2.)	{ HEARSON, THOMAS ALFRED, R.N., Wh. Sc. .. ..	Royal Indian Eng. Coll., Staines.
	1890 Feb. 4.)	HEBBERT, FREDERICK BENBOW	Assist. Sec., P.W.D., Simla.
m	1864 Jan. 12.)	HEDERSTEDT, HENRY BURDETT	Twyford Lodge, Southlands Rd., Bickley.
‡	1868 Dec. 18.)		
t m	1876 Mar. 7.)	*HEDGES, KILLINGWORTH ..	7 Carteret Street, Westminster, S.W.
	1884 Dec. 23.)		
	1879 Dec. 2.)	HEENAN, GEORGE FREDERIC	
	1886 Feb. 16.)	HAMMERSLEY .. ..	Ex. Eng., Hyderabad, Deccan, India.
	1872 Feb. 6.)	HEENAN, RICHARD HAMMERSLEY	{ Newton Heath Ironwks., Manchester, (Spherical, Newton Heath.)
	1876 Mar. 21.)		
	1884 Feb. 5.)	HEENAN, ROBT. H. HAMMERSLEY	Eng.'s Off., Port Elizabeth, C.C.
W t M	1880 Dec. 7.)	{ *HELE-SHAW, Professor HENRY	University College, Liverpool.
‡	1887 Apr. 5.)	SELBY, Wh. Sc. .. ..	
	1878 Apr. 2.)	*HEMANS, ARTHUR WILLOUGHBY	G. I. P. Railway, Bombay.
m	1866 Mar. 6.)	HENDERSON, DAVID MARR ..	{ Eng.-in-Chief, Imperial Maritime Customs, Shanghai, China.
‡	1874 Nov. 24.)		
T	1855 Feb. 6.)	HENDERSON, JAMES .. ..	Newham, Truro, Cornwall.
‡	1877 Nov. 27.)		
	1880 Dec. 7.)	HENDERSON, JOHN BAILLIE ..	Brisbane, Queensland.
	1884 Nov. 4.)		
	1869 Jan. 12.)	HENNELL, THOMAS .. ..	6 Delahay St., Westminster, S.W.
	1882 Mar. 21.)		
	1874 Feb. 3.)	HENSLOWE, CECIL WILLIAM	{ Pinewood, Grayshott, Liphook,
	1882 Nov. 7.)	EDWARD .. ..	Hants.
	1869 Dec. 7.)	HENSLOWE, FRANCIS BOYLE ..	{ India ; and Grindlay's, 55 Parlia- ment St., S.W.
	1879 Feb. 4.)		
	1844 June 25.)	HENSMAN, HENRY .. ..	22 Blomfield Street, W.
	1857 Jan. 20.)		
	1877 Mar. 6.)	HEPWORTH, JOSEPH .. ..	Gas and Waterworks, Carlisle.
	1889 Nov. 26.)		
	1883 May 29.)	HERING, RUDOLPH .. ..	277 Pearl St., New York City, U.S.
	1886 Nov. 16.)		

Date of Election and of Transfer.	MEMBERS.	
1875 May 4.)	HERRING, JOHN WILLIAM ..	{ River Wear Commission, Sunder- land.
1893 Jan. 10.)	HERSCHEL, CLEMENS .. ..	2 Wall St., New York, U.S.
1890 Dec. 2.)	*HERVEY, MATTHEW WILSON ..	{ West Middlesex Waterworks, Ham- mersmith, W.
1880 May 4.)	HETHERINGTON, JOHN MUIR ..	Vulcan Works, Manchester.
1891 May 5.)	HEWSON, THOMAS .. .. ..	Borough Engineer, Leeds.
1881 Jan. 11.)	HEYLAND, HERBERT KYFFIN ..	Redwalls, Dartmouth.
1883 May 1.)	HICK, JOHN .. .. .. ..	Mytton Hall, Whalley, Lancashire.
1892 Nov. 8.)	HICKSON, ROBERT ROWAN PUR- DON .. .. .. ..	{ Roads & Bridges Dept., Sydney, N.S.W.
1874 Feb. 3.)	HIGGINS, ANDREW FRANK ..	P. W. D., Yeothmal, Berar, India.
1876 Feb. 8.)	HIGGINSON, HARRY PASLEY ..	Wellington, N.Z.
t † 1867 Feb. 5.)	HIGHAM, THOMAS .. .. ..	Umballa, Punjab, India.
(1871 Dec. 5.)	HIGSON, JACOB .. .. ..	18 Booth St., Manchester.
1878 Dec. 3.)	HIGSON, JOHN .. .. ..	18 Booth St., Manchester.
1878 Dec. 3.)	HILL, ARTHUR EDMUND BRE- TON, B.A.Sc. .. .. ..	{ New Westminster, British Colum- bia.
1887 Feb. 1.)	HILL, GEORGE HENRY .. ..	Ernsercroft, Compstall, Stockport.
1891 Nov. 3.)	HILL, HENRY ELLIS .. ..	9 Victoria Street, S.W. [W.
1872 Feb. 6.)	HILL, JAMES NINIAN .. ..	29 Argyle Rd., Castle Hill, Ealing, Ennis, co. Clare, Ireland.
1877 Dec. 4.)	HILL, JOHN .. .. ..	3 Lombard Court, E.C.
† 1870 May 24.)	HILL, RICHARD HARRIS ..	Mayers & Hillman, Angol, Chili.
1876 Mar. 7.)	HILLMAN, CHAS. LA FLETCHER ..	{ Delhi & London Bank, 123 Bishops- gate St. Within, E.C.
1882 Apr. 4.)	HILTON, JOHN EDWARD .. ..	28 Victoria Street, S.W.
1871 Mar. 10.)	HOBSON, GEORGE ANDREW ..	Grand Trunk Ry., Hamilton, Canada.
1883 Nov. 13.)	HOBSON, JOSEPH .. .. ..	{ East Hopetown, Dehra Doon, N.W.P., India.
1883 May 1.)	HODGES, ROBERT NATHANIEL ..	1885 Dec. 15.)
1885 Dec. 15.)	HODGSON, WILLIAM .. ..	1886 Mar. 23.)
1886 May 4.)	HODSON, CHARLES WILLIAM ..	1879 Feb. 4.) *HODSON, CHARLES WILLIAM ..
1886 May 4.)	HODSON, GEORGE .. .. ..	1891 Nov. 5.)
1881 Dec. 6.)	HOGAN, JOHN POICTEVIN LEMON ..	{ Abbey Buildings, Princes St., West- minster, S.W. (Output, London.)
1891 Nov. 5.)	HOGARTH, DAVID FRANCIS ..	1891 Feb. 17.)
1870 Mar. 1.)	HOGG, ALEXANDER LAUDER ..	1877 Dec. 4.)
1886 Apr. 13.)	HOGG, CHARLES PULLAR ..	1886 Apr. 6.)
1881 Dec. 6.)	HOLDEN, JAMES .. .. ..	1878 Feb. 5.)
1887 May 24.)	HOLLAND, CALVERT BERNARD ..	1882 Feb. 7.)
1884 May 27.)	HOLLMINGSWORTH, CHAS. ERNEST ..	1887 May 24.)
1861 Apr. 9.)	HOLMAN, STEPHEN .. .. ..	1888 Mar. 6.)
1879 Jan. 7.)	HOLMES, ARTHUR BROMLEY ..	1888 Mar. 6.)
1886 May 18.)	HOLT, ALFRED .. .. ..	1875 Feb. 2.)
1880 Mar. 2.)	HOMER, CHARLES JAMES ..	t † 1875 Apr. 6.)
1888 Mar. 6.)	HODTHAM, EDMUND GREGORY ..	t † 1879 Jan. 7.)
1877 May 29.)	HOOD, WELLS .. .. ..	1877 May 29.)
1864 May 24.)	Civil & M. Eng., Stoke-on-Trent.	1864 May 24.)
1876 Apr. 25.)	{ Recife & São Francisco Ry., Per- nambuco.	1876 Apr. 25.)

Date of Election  
and of Transfer.

## MEMBERS.

t †	{ 1882 Dec. 5. 1888 Jan. 24.	HOPKINSON, CHARLES, B.Sc. ..	29 Princess Street, Manchester.
T t S †	{ 1885 Jan. 13. 1890 Nov. 11.	HOPKINSON, EDWARD, M.A., D.Sc. .. .. ..	Salford Ironworks, Manchester.
	1885 Apr. 14.	HOPKINSON, JOHN .. .. ..	St.Margaret's Rd., Bowdon, Cheshire.
T t L †	{ 1877 Dec. 4. 1882 Apr. 18.	{ HOPKINSON, JOHN, Jun., M.A., D.Sc., Wh. Sc., F.R.S. ..	5 Victoria Street, S.W. (3092.)
	1880 Jan. 13. 1890 Feb. 25.	HORAN, JOHN, M.E. .. ..	Co. Surveyor's Office, Rathkcale.
	1870 Feb. 1. 1886 Feb. 9.	HORN, THOMAS .. .. ..	Gray St., Blackfriars, S.E.
	1878 May 28.	HORN, THOMAS WILLIAM ..	Lyonsdown, New Barnet.
	1878 May 28. 1883 Jan. 30.	HORSLEY, CHARLES .. ..	22 Wharf Rd., City Rd., N.
	1879 May 27.	HORSLEY, STEPHEN .. ..	Nagereoil, India.
	1885 Nov. 24.	HÖRST, WALTER PHILIP VON DER ..	Grindlay's, 55 Parliament St., S.W.
	1890 May 20.	HÖRST, WALTER PHILIP VON DER ..	Bryn-y-Mor, Weston-super-Mare.
	1851 Mar. 4.	HOWARD, THOMAS .. ..	Union Bank of London, Chancery Lane, W.C.
	1866 Apr. 24.	HOWARD, WILLIAM STUART ..	8 Scotland Street, Glasgow.
	1868 Apr. 7. 1878 Jan. 29.	HOWDEN, JAMES .. ..	{ Queensberry Lodge, Granton Road, Edinburgh.
	1892 Apr. 5.	HOWDEN, JAMES .. ..	{ 20 Langford Road, Heaton Chapel, Stockport.
‡	{ 1867 Feb. 5. 1872 Dec. 3.	HOWKINS, JOHN .. ..	{ 2 Exchange Place, Middlesbrough.
	1880 May 25.	HOWNAM-MEEK, SYDNEY HOW- NAM ..	{ Central Uruguay Railway, Monte Video.
	1888 May 8.	HOWSON, RICHARD .. ..	Trichur, Malabar Coast, India.
	1888 May 1.	HOWSON, RICHARD .. ..	Glenholme, Bromley Cross, Bolton.
	1880 May 4.	HUDSON, FRANK .. ..	Suptg. Eng., P.W.D., Allahabad, Festiniog Ry., Portmadeloc, [India, Secy. to Govt., P.W.D., Bombay.
	1888 Jan. 17.	HUDSON, HENRY WALTER ..	Binny & Co., Madras.
	1879 Dec. 2.	HUDSON, JOHN GEORGE ..	Ordsal Tool Works, Salford.
	1887 Jan. 25.	HUGHES, ARTHUR JOHN C.I.E. ..	{ Club Chams., Johannesburg, Transvaal.
	1881 Dec. 6.	HUGHES, JOHN SYLVESTER ..	Deptford Pier, S.E.
	1881 May 31.	HUGHES, WALTER CHARLETON ..	116 Water St., Pittsburgh, Pa., U.S.
	1879 Feb. 4.	HUGHES, WILLIAM, M.E. ..	Gaswks., Windsor St., Birmingham
	1888 Oct. 30.	HULSE, WILLIAM WILSON ..	L. & Y. Ry., Manchester.
W t †	1867 May 21.	HUMBY, HENRY GEORGE ..	{ 202 Bow Road, E. (Venator, London, 5402.)
	1881 May 31.	HUMPHREYS, ROBERT HARRY ..	{ 48 Bow Road, E. (Venator, London, 5402.)
	1891 Dec. 8.	HUNT, ALFRED EPER ..	[chester.
	1888 Apr. 10.	HUNT, CHARLES .. ..	Ship Canal, Eng's Office, Man-
	1891 Mar. 3.	HUNT, WILLIAM .. ..	{ Mrs. Corrie, 148 Kilburn Lane, Har-
	1881 Mar. 1.	HUNT, WILLIAM .. ..	row Road, W.
	1868 Mar. 3.	HUNT, WILLIAM .. ..	2 Queen Square Place, S.W. (3033.)
	1876 Jan. 25.	HUNTINGTON, JOHN BARKER ..	{ Tyn-yr-Eithin, Newtown, North Wales.
m †	{ 1881 Dec. 6. 1889 Jan. 15.	*HUNTER, JAMES BERNARD ..	Nikosia, Cyprus.
	1865 May 2.	HUNTER, WALTER .. ..	Ry. Construction Dept., Sydney,
	1878 May 14.	HUNTER, WILLIAM HENRY ..	N.S.W.
	1891 May 5.	HUNTINGTON, JOHN BARKER ..	14 Cumberld.Ter., Regent's Pk., N.W.
T †	{ 1846 Apr. 7. 1866 Mar. 27.	HUNTINGTON, JOHN BARKER ..	35 Br'dway, Room 112, New Y'k, U.S.
m †	{ 1879 May 27. 1886 Mar. 16.	*HURTZIG, ARTHUR CAMERON ..	1 Northampton Place, Swansea.
	1867 Feb. 5.	HUTCHINS, GEORGE ALBERT ..	
	1873 Dec. 23.	HUTCHINSON, JOHN HOUSEMAN ..	
	1881 Mar. 1.	HUTCHINSON, WILLIAM .. ..	
	1886 Jan. 12.	HUTCHINSON, WILLIAM .. ..	
	1891 Nov. 9.	HUTTON, DARNTON, M.A. ..	
	1862 Mar. 4.	HUTTON, WILLIAM RICH.. ..	
	1890 Dec. 2.	HUXHAM, HORTENSIIUS .. ..	
	1875 May 11.	HUXHAM, HORTENSIIUS .. ..	

Date of Election  
and of Transfer.

## MEMBERS.

1871 Dec. 5.	HYDE, MARK .. .. ..	Edge Lane, Stretford, Manchester.
1883 Dec. 4.	HYSLOP, PETER SHARP .. ..	5 Clarence Rd., Walmer, Deal.
1866 May 15.	IKIN, JONATHAN DICKSON .. ..	23 Friern Rd., E. Dulwich.
W t ✕ 1871 Mar. 7.	IMRAY, JOHN, M.A... .. ..	{28SouthptuBds.,ChanceryLane,W.C. (Patentable, London. 2729.)
m{1876 Dec. 5.} *INGLIS, JAMES CHARLES .. ..	G. W. Ry., Paddington, W.	
m{1884 Mar. 18.}		
1871 Jan. 10.}	INGLIS, JOHN WM., F.R.S.E. ..	19 Montpelier, Edinburgh.
1877 Nov. 27.}		
1885 Apr. 14.	IRVINE, ARCHIBALD HENRY ..	The Elms, Cross Town, Knutsford.
1875 Feb. 2.}	IRWIN, HENRY, C.I.E. .. ..	P.W.D., Pachmarhi, India. [Dublin.
1879 Apr. 29.}		
1891 Dec. 1.	IVATT, HENRY ALFRED .. ..	Gt. S. & W. Ry., Inchicore Works,
1876 May 2.}	IZAT, ALEXANDER .. .. ..	King, King, and Co., Bombay.
1881 Apr. 5.}		
1888 Apr. 10.}	JACKSON, CHARLES LOXTON ..	Hillfold, Bolton.
1891 Jan. 20.}		
1874 Apr. 14.}	JACKSON, EDWARD .. .. ..	1 Hervey Villas, Blackheath, S.E.
1879 Dec. 23.}		
1874 Feb. 3.}	JACKSON, JOHN .. .. ..	Stubben Edge, Chesterfield.
1879 Nov. 4.}		
1882 Apr. 4.	JACKSON, SAMUEL, C.I.E. ..	Bellwood, Ranmoor, Sheffield.
1883 Dec. 4.	JACKSON, WILLIAM FRANCIS ..	Sterndale House, Litton, Stockport.
t ✕ {1864 Dec. 6.}	JACOB, ARTHUR, B.A. .. ..	{The Cliff, Higher Broughton, Man-
1875 Dec. 21.}		chester.
1881 Mar. 1. {JACOB, AUGUSTUS HAMILTON, M.A. .. .. .. ..	Ch. Eng. to Govt., Travancore, India.	
1891 Dec. 1.	JACOB, LIONEL MONTAGUE ..	H. S. King & Co., 65, Cornhill, E.C.
1885 Dec. 1.	JACOBS, CHARLES MATTATHIAS ..	192 Broadway, New York, U.S.
1884 Dec. 2.}*JACOME-HOOD, JOHN WYKEHAM		{L. & S. W. Ry., Clapham Junction, S.W.
1891 Jan. 27.}		25 Bramham Gds., Earl's Court, S.W.
T ✕ 1847 Mar. 2.	JACOME-HOOD, ROBERT .. ..	3 Victoria St., S.W. (Kahort, London.)
1890 Apr. 1.	JAFFREY, WILLIAM .. .. ..	{8 Southview, Valley Rd., Streatham, S.W.
1879 May 6.}	JAMES, HENRY ALEXANDER ..	
1887 Nov. 22.}		The Boulevard, Petersham, N.S.W.
† ✕ 1868 Dec. 1.	JAMES, JOHN WILLIAM .. ..	32 Victoria Street, S.W.
1882 Feb. 7.	JAMES, JOHN WILLIAM HENRY ..	Glasgow and West of Scotland
t ✕ {1878 Jan. 15.}	JAMIESON, Professor ANDREW	Technical College, Glasgow.
1887 Feb. 8.}	F.R.S.E. .. .. .. ..	Bethlehem Iron Co., S. Bethlehem, Pa., U.S. (Mesbeth, Bethlehem.)
1888 Dec. 4.}	JAQUES, WILLIAM HENRY ..	{Harbours & Rivers Dept., Brisbane, Queensland.
1893 Mar. 7.}		Fairyfield, Great Barr, Birmingham.
1882 Mar. 7.}	JARDINE, ALEXANDER WILLIAM ..	Liskeard, Cornwall.
1884 Oct. 14.}	JENNINGS, NEWTON EDWARD ..	Heidelberg, Victoria.
1872 Feb. 6.	JEBB, GEORGE ROBERT .. ..	{506 Board of Trade Building, Toronto, Canada.
1860 Apr. 3.	JENKIN, SILVANUS WILLIAM ..	11 Connaught Ter., Mutley, Ply-
1888 Mar. 6.	JENNINGS, NEWTON EDWARD ..	mouth.
1884 Mar. 4.}	JENNINGS, WILLIAM TINDAL ..	{Almora Lodge, Birdhurst Rd., South
1891 May 12.}		Croydon. [Newcastle-on-Tyne.
† ✕ {1882 May 23.}	JOHNSON, CHARLES MALCOLM,	50 Beverley Ter., Cullercoats,
1889 Dec. 17.}	R.N. .. .. .. ..	2631 Russell Av., St. Louis, Mo., U.S.
1875 May 11.}	JOHNSON, HENRY .. .. ..	{Inspector of Local Works, Burdwan,
1877 Nov. 13.}		India.
1869 Mar. 2.	JOHNSON, JOHN .. .. ..	G. N. Ry., King's Cross, N.
1892 May 3.	JOHNSON, Prof. JOHN BUTLER ..	Midland Railway, Derby.
1874 Apr. 14.}	JOHNSON, JOHN WILLIAM ..	The Dignaries, Westcombe Pk., S.E.
1878 Dec. 3.}		Srinagar, Kashmir, India.
1862 May 20.	JOHNSON, RICHARD .. .. ..	
1867 Dec. 3.	JOHNSON, SAMUEL WAITE ..	
1885 Mar. 3.	JOHNSON, WALTER CLAUDE ..	
1877 Dec. 4.}	JOHNSON, WARWICK HUSON ..	
1884 Jan. 22.}		

Date of Election  
and of Transfer.

## MEMBERS.

1883 Feb. 6.)	JOHNSTON, ANDREW	.. ..	
1886 May 18.)	JOHNSTON, ANDREW	.. ..	
1880 May 4.)	JOHNSTON, HERBERT DENT	.. ..	{South Indian Ry., Trichinopoly, Madras.
1890 Apr. 22.)			
† 1867 Mar. 5.)	JOHNSTON, ROBERT EDWARD	.. ..	Joint Railways Office, Birkenhead.
1860 Feb. 7.)	JOHNSTON, THOMAS MASTERMAN	.. ..	Lewis Bdg., Christchurch, N.Z.
	HARDY .. .. .. ..		
1872 Dec. 3.)	JOHNSTONE, FREDERICK JOHN	.. ..	Chief Eng. & Sec. to Govt., Calcutta.
1880 Mar. 23.)			
1870 Mar. 1.)	JOLL, HENRY .. .. .. ..		4 Osborne Place, Plymouth.
1877 Nov. 27.)			
1878 Feb. 5.)	JONES, ARTHUR DANIEL	.. ..	{Surrey Commercial Docks, Rotherhithe, S.E.
1893 May. 16.)			
1875 Feb. 2.)	JONES, CHARLES .. .. .. ..		Normanhurst, Ealing, W.
1891 Nov. 3.)			
1881 Dec. 6.)	JONES, CHARLES BOOTH, B.A.	.. ..	The Mall, Sligo.
1871 Jan. 10.)	JONES, FRANCIS .. .. .. ..		Beau Séjour, Jersey.
T W t † { 1869 May 11.)	JONES, HARRY EDWARD	.. ..	Commercial Gas Co., Stepney, E.
1875 Apr. 27.)			
1875 Feb. 2.)	JONES, JOHN ALFRED, F.R.S.E.	.. ..	{Sanitary Engineer to Government, Madras.
1881 Nov. 15.)			
1886 Dec. 7.)	JONES, PEYTON .. .. .. ..		Ry. Dept., Melbourne, Victoria.
1870 May 3.)	JONES, ROBERT .. .. .. ..		Cloverley, West Hill, Putney, S.W.
† 1877 Dec. 4.)	JOPP, JOHN GALE .. .. .. ..		S. Mahiatta Ry., Bangalore, Madras.
1892 Dec. 6.)	JOYCE, ALFRED .. .. .. ..		Binny & Co., Madras.
† { 1885 Dec. 1.)	JOYCE, FREDERICK TALBOT	.. ..	14 Lower Fitzwilliam St. Dublin.
1892 Jan. 26.)			
1887 Dec. 6.)	JOYNER, ROBERT BATSON	.. ..	Grindlay's, 55 Parliament St., S.W.
1891 Mar. 3.)	JUDSON, WILLIAM PIERSON	.. ..	Oswego, New York, U.S.
T t † { 1885 Jan. 13.)	KAPP, GISBERT .. .. .. ..		31 Parliament Street, S.W.
1891 Jan. 13.)			
1889 May 7.)	KATTE, WALTER .. .. .. ..		{N. Y. Central & Hudson River Rlrd., New York, U.S.
† { 1873 Dec. 2.)	KEATING, EDWARD HENRY .. ..		City Engineer, Toronto, Ont., Canada.
1878 Dec. 3.)			
1884 Jan. 8.)	KEATING, HENRY, M.A. .. ..		Kilnagleary, Carrigaline, co. Cork.
1887 Oct. 25.)			
1885 Dec. 1.)	KEEFER, GEORGE ALEXANDER	.. ..	Victoria, British Columbia.
1877 Dec. 4.)	KEEFER, THOS. COLTRIN, C.M.G.	.. ..	D.P.W., Ottawa, Canada.
† { 1883 Dec. 4.)	KEELE, THOMAS WILLIAM .. ..		{Harbours & Rivers Dept, Ballina, Richmond River, N.S.W.
1888 Dec. 18.)			
† 1873 May 20.)	KEELING, GEORGE WILLIAM .. ..		10 Lansdown Terrace, Cheltenham.
† 1890 Dec. 2.)	KELLY, WILLIAM REDFERN .. ..		Dalriada, Malone Park, Belfast.
1877 May 29.)	KELSEY, FLETCHER FR. SHERIDAN .. ..		9 Grosvenor Place, Bath.
1879 Mar. 4.)			
1884 Nov. 25.)	KEMP, HENRY .. .. .. ..		Smyrna and Cassaba Ry., Smyrna.
T t † 1879 May 27.)	KENNEDY, ALEX. BLACKIE	.. ..	19 Little Queen St., Westminster, S.W. (Kinematic, London.)
	WILLIAM, F.R.S. (Member		
	of Council.)		
1875 Dec. 7.)	KENNEDY, JOHN .. .. .. ..		Montreal, Canada.
1851 Mar. 4.)	KENNEDY, JOHN PITT .. .. .. ..		45 Finsbury Circus, E.C.
1857 May 5.)			
t † { 1880 Dec. 7.)	KENNEDY, NEIL .. .. .. ..		Aguilas, Murcia, Spain.
1884 May 13.)			
† { 1879 Apr. 1.)	KER, THOMAS .. .. .. ..		Abu Road, Rajputana, India.
1888 May 15.)			
1862 Mar. 4.)	KERSHAW, JOHN .. .. .. ..		Marazion, St. Leonards-on-Sea.
1866 May 1.)	KETCHUM, HENRY GEO. CLOPPER	.. ..	Chignecto Ship Ry., Amherst, Nova
1878 Apr. 30.)			[Scotia.]
1871 May 2.)	KIERZKOWSKI-STEUART, CHAS.	.. ..	
1877 Nov. 27.)	FERDINAND DE .. .. ..		Langley House, King's Langley.

Date of Election and of Transfer.	MEMBERS.	
1863 Dec. 1. 1877 Nov. 27. 1859 Dec. 6. 1875 Nov. 9. 1870 Apr. 5. 1879 Mar. 25. t $\ddagger$ (1878 Feb. 5.) (1889 Dec. 10.)	KILGOUR, GEORGE .. .. .. KIMBER, JAMES .. .. .. KINCAID, JOSEPH, M.A. .. .. KINDER, CLAUDE WILLIAM .. .. KING, MAURICE .. .. .. KING, WILLIAM .. .. .. 1873 Mar. 4.*KING, WILLIAM HENRY .. .. 1889 Nov. 15.)	Barkly, W. Griqualand, Cape Colony. Eng. to the Corporation, Calcutta. (29 Great George Street, S.W. (Kincaid, London. 3011.) e.o. H.B.M. Consul, Tientsin, China. Ganges Canal, Roorkee, India. Gas Office, Duke Street, Liverpool. 34 Park Rd., Haverstock Hill, N.W.
T m $\ddagger$ (1858 Feb. 2. (1863 Dec. 8.)	KINGSBURY, WILLIAM JOSEPH .. ..	35 Courtfield Gardens, S.W.
$\ddagger$ 1865 Feb. 7. 1883 May 29. 1892 Mar. 1. 1875 May 4. 1885 Mar. 3.	KINNIPPLE, WALTER ROBERT .. .. KINSEY, WILLIAM BARNS .. .. KIRBY, CHARLES ANTHONY .. .. KIRBY, FREDERICK HALL .. .. KIRKALDY, DAVID .. .. ..	3 Victoria St., S.W. (Kahort, Lond.) Umbilo, near Durban, Natal. G. N. Ry., Boston. Union Club, Trafalgar Square, W.C. 99 Southwark St., S.E.
T t $\ddagger$ 1865 Mar. 23. 1875 Mar. 2. 1876 Dec. 5.	KIRKHAM, THOMAS NESHAM .. .. KIRTLEY, WILLIAM .. .. .. KITSON, Sir Jas., Bart., M.P. .. ..	L. C. & D. Ry., Wandsworth Rd., S.W. Monk Bridge Ironworks, Leeds. (73.) Airedale Foundry, Leeds. (Kitson, Airedale, Leeds. 26.)
1875 Mar. 2. 1869 Apr. 6. 1878 Dec. 3.)	KITSON, JOHN HAWTHORN .. .. KNORPP, CHARLES BENJAMIN .. ..	Ngaruawahia, Auckland, N.Z.
1866 Mar. 6. 1877 June 26.)	KNOWLES, GEORGE .. .. ..	{ Billiter Square Buildings, E.C. (Knobillit, London. 4151.)
1869 Dec. 7. 1875 Feb. 2.)	KNOWLES, JOHN .. .. .. KNOX, EDWARD BALDWIN .. ..	Westwood, Pendlebury, Manchester. { P.O. Box 398, Johannesburg, Trans- vaal.
1893 Mar. 28.)	JOHN .. .. ..	
1891 Dec. 1. 1879 Dec. 2. $\ddagger$ 1880 Apr. 6.	KNOX, HORACE CHALONER .. .. KRAFT, JOHN .. .. .. KÜHL, CHAS. HENRY LEOPOLD .. ..	P.W.D., Chadechi, Kathiawar, India. Société Cockerill, Serding, Belgium. European Comm. of Danube, Sulina.
t $\ddagger$ (1873 May 6.) (1876 Apr. 25.)	KYLE, JOHN .. .. ..	New Harbour Works, Dover.
1876 May 30. 1883 Nov. 3.)	LANGDON, WILLIAM .. .. ..	{ Ch. Mech. Eng., Rio Tinto, Huelva, Spain.
$\ddagger$ 1870 Jan. 11. 1890 Feb. 4.	LANGLEY, ALFRED ANDREW .. .. LANYON, JOHN .. .. ..	33 Chester Ter., Regent's Pk., N.W. Northern Bank Chambers, Belfast.
1881 May 31.)	LAPAGE, RICHARD HERBERT .. ..	{ Elmwood, Surbiton. (Lapage, Elm- wood, Surbiton.)
1885 Nov. 24.)	1874 Feb. 3.*LARGE, PHILIP TOWNSHEND .. .. 1885 Nov. 10.)	Carnalway Rectory, Kileullen, co. Kildare.
1877 May 1. 1882 Apr. 4.)	SOMERVILLE .. .. ..	
1863 May 2. 1868 May 19.)	LATHAM, ALBERT .. .. .. LATHAM, BALDWIN .. .. ..	Town Hall, Margate. 13 Victoria Street, S.W.
T t $\ddagger$ (1859 Dec. 6.) (1866 Dec. 17.)	LATHAM, JOHN HERBERT, M.A. .. ..	Ngaruawahia, Auckland, N.Z.
1868 Dec. 1.)	LA TOUCHE, HY. CHRISTOPHER .. ..	Upham, Woodstock Rd., Redland,
1875 Feb. 9.)	DIGGES .. .. .. ..	Bristol.
1884 May 6.	LAURENCE, WILLIAM KNOX .. ..	Beaconsfield Rd., Weston-super-Mare.
1867 Feb. 5.	LAW, HENRY .. .. .. ..	{ 17 Victoria Street, S.W. (Prismoid, London.)
1878 May 7.)	LAWDER, ARTHUR W.M. .. ..	H. S. King & Co., 65 Cornhill, E.C.
1880 Feb. 24.)	LAWDER, JAMES ORMSBY .. ..	{ 10 West Villas, Upton Park, Slough. (Tutorship, London.)
1881 Dec. 16.)	1867 Feb. 5.	Parliament Mnsns., Victoria St., S.W.
t $\ddagger$ (1870 Mar. 1.) (1877 May 29.)	LAWES, WILLIAM GEORGE .. ..	Winchester Ter., Newcastle-on-Tyne.

Date of Election  
and of Transfer.

## MEMBERS.

1877 Apr. 10.	LAWSON, JOHN	.. .. ..	57 Rue de Tivoli, Bordeaux.
1878 Apr. 30.			
1868 Mar. 3.	LAYBOURNE, RICHARD	.. .. ..	The Firs, Malpas, Newport, Mon.
1893 May 2.	LEA, HENRY	.. .. ..	38 Bennett's Hill, Birmingham.
1873 Dec. 2.			
1877 Nov. 13.	LEAN, CHARLES	.. .. ..	14 Grange Road, Ealing, W.
1885 Feb. 3.			
1892 Feb. 16.	LEAN, JOEL	.. .. ..	Hathersage, Sheffield.
1866 Dec. 7.	LEAVITT, ERASMIUS DARWIN, Jun.	.. .. ..	Cambridgeport, Mass., U.S.
1879 Feb. 4.			
1885 Feb. 3.	LEE, JOSEPH JOHN	.. .. ..	11 Broad Walk, Buxton.
1853 May 24.	LE FANU, WILLIAM RICHARD	.. .. ..	Summerhill, Enniskerry.
1872 Dec. 3.			
1879 May 27.	LEGGATT, WILLIAM BENJAMIN	.. .. ..	27 Ladbroke Grove, W.
1879 Feb. 4.			
1889 Feb. 5.	LEIGH, ROBERT KENNAWAY	.. .. ..	Hong Kong.
1885 Apr. 14.	*LE LIEVRE, CHARLES	.. .. ..	Govt. Rys., Nanu Oya, Ceylon.
† 1883 Jan. 9.	LE MESURIER, WILLIAM HENRY	.. .. ..	36 Slatey Rd., Birkenhead.
1865 May 23.			
1877 Jan. 30.	LEMON, JAMES	.. .. ..	{ 9 Victoria Street, S.W.; and Lansdowne House, Southampton.
T t † 1869 Dec. 7.			
T t † 1873 Dec. 23.	LESLIE, ALEXANDER, F.R.S.E.	.. .. ..	72A George Street, Edinburgh.
T t WS † 1872 Jan. 9.	{ LESLIE, Sir BRADFORD, K.C.I.E. (Member of Council.)	.. .. ..	{ Tarrangower, Willesden Lane, Bron-
			} desbury, N.W.
1890 Dec. 2.	LESLIE, MORICE	.. .. ..	Watson & Co., 27 Leadenhall St., E.C.
1878 Mar. 5.	LEVINGE, HARRY CORBYN, B.A.	.. .. ..	Knock Drin Castle, Mullingar.
1885 Feb. 3.	LEWIS, GEORGE	.. .. ..	Imperial Chams., Albert St., Derby.
1866 Feb. 6.	LEWIS, WILLIAM BOURNE	.. .. ..	15 Victoria Street, S.W.
1865 Mar. 7.			
1869 Jan. 19.	LEWIS, Sir WILLIAM THOMAS	.. .. ..	Mardy, Aberdare. (Lewis, Aberdare.)
1862 Jan. 14.	LIGHT, ALEXANDER LUDERS	.. .. ..	Ch. Eng., Govt. Rys., Quebec, Canada.
m † 1881 Dec. 6.	LIGHTFOOT, THOMAS BELL	.. .. ..	{ 35 Queen Victoria Street, E.C. (Separator, London.)
1890 Feb. 4.	LINDENTHAL, GUSTAV	.. .. ..	413 Lewis Block, Pittsburgh, U.S.
1891 Mar. 3.	LINDLEY, JOSEPH	.. .. ..	35 Aleja Ujazdowska, Warsaw.
1881 Feb. 1.	LINDLEY, ROBERT SEARLES	.. .. ..	Ffynone, Swansea.
1842 Feb. 1.	LINDLEY, WILLIAM	.. .. ..	74 Shooter's Hill Road, S.E.
1878 May 28.	LINDLEY, WILLIAM HEERLEIN	.. .. ..	Frankfort-on-Maine.
1880 Dec. 7.			{ 167 St. Vincent Street, Glasgow. (Civileng, Glasgow.)
1887 Feb. 22.	LINDSAY, CHARLES COXHEAD	.. .. ..	121 Upper Parliament St., Liverpool.
1856 Dec. 2.			
1866 Apr. 24.	LINN, ALEXANDER GRAINGER	.. .. ..	Post Box 195, Rio de Janeiro.
1882 Apr. 4.	LISBÖA, JOAQUIM MIGUEL RIBEIRO	.. .. ..	{ Eng.-in-Chief, N. W. Ry., Lahore, India.
1871 Mar. 7.			
1880 Apr. 13.	LIST, GEORGE HENRY	.. .. ..	{ 3 St. John's Park, Blackheath, S.E.
1878 Feb. 5.	*LIST, JOHN, R.N.R.	.. .. ..	Chief Eng., P.W.D., Bombay.
1887 Feb. 1.			P.W.D., Berhampore, Bengal.
1885 May 5.	LITTLE, THOMAS DAVID	.. .. ..	{ So. Metropolitan Gas Co., 709A Old Kent Rd., S.E.
1887 Feb. 1.	LIVESAY, CHARLES EDWARD	.. .. ..	5 Camden Park, Tunbridge Wells.
1869 Dec. 7.	*LIVESEY, FRANK	.. .. ..	Broad St. Avenue, Blomfield St., E.C.
1883 Dec. 4.			
1872 Mar. 5.	LIVESEY, GEORGE THOMAS	.. .. ..	
1867 Dec. 3.			
1878 Feb. 19.	LIVESEY, JAMES	.. .. ..	
1871 Dec. 5.			
1878 Jan. 15.	LLOYD, EDWARD JOHN	.. .. ..	Hatton, Warwick.
1886 May 4.			
1891 Jan. 27.	LLOYD, JOHN ARTHUR DAYRELL	.. .. ..	So. Indian Ry., Villupuram, Madras.
T t † 1854 Mar. 7.	LLOYD, WILLIAM	.. .. ..	19 Finchley Road, N.W.
1875 Jan. 12.	LOBLEY, JOSEPH	.. .. ..	Hanley, Staffordshire.
1886 May 11.			
1877 Jan. 16.	*LOCKHART, WILLIAM STRONACH	.. .. ..	5 Haddo Villas, Blackheath, S.E.
1889 Apr. 9.			

Date of Election  
and of Transfer.

## MEMBERS.

<span style="font-size: large;">T t</span> <span style="font-size: large;">W m</span> <span style="font-size: large;">X</span>	1859 May 24.	LOCKWOOD, PHILIP CAUSTON ..	1 Gloucester Place, Brighton.
	1874 May 9.	..	So. Ind. Ry., Trichinopoly, India.
	1867 Dec. 3.	LOGAN, DAVID .. ..	Francis Street, Dundalk.
	1878 Feb. 5.	*LOGAN, ROBERT PATRICK TREY ..	Stanton-by-Dale, Nottingham.(Longden, Stanton, Alfreton.)
	1890 Apr. 22.	DENNICK .. .. ..	Greve d'Azette, Jersey.
	1887 May 24.	LONGDEN, JOHN ALFRED ..	
	1856 Feb. 5.	LONGRIDGE, JAMES ATKINSON ..	
	1874 Mar. 3.	LONGRIDGE, MICHAEL, M.A. ..	{ Linkvretten, Ashley Road, Peel Causeway, Cheshire.
	1880 May 11.	LONGSDON, ALFRED .. ..	9 New Broad St., E.C.
	1888 Mar. 6.	..	
<span style="font-size: large;">t</span> <span style="font-size: large;">X</span>	1883 May 29.	LOPES, GEORGE, B.A. .. ..	L.B. & S.C.Ry., London Bridge, S.E.
	1889 Nov. 5.	..	Ry. Eng.'s Office, Dunedin, N.Z.
<span style="font-size: large;">X</span>	1877 Dec. 4.	LOWE, JOHN HENRY .. ..	Midland Ry., Derby.
	1885 Dec. 1.	LOWE, JN. LANDOR, B.Sc. ..	Casilla 655, Buenos Ayres.
	1891 Jan. 13.	LOWE, LOUIS JOHN MCKENZIE ..	Copenhagen.
	1869 May 4.	LÜDERS, FERD, Wm. WEGHORST ..	
	1883 Feb. 6.	LUFF, JOHN MIDDLEMISS ..	
	1880 Dec. 7.	LUKE, ARTHUR GEORGE ..	Wye Lodge, Wimbleton Park.
	1885 Mar. 3.	LUMSDEN, HUGH DAVID ..	7 Homewood Av., Toronto, Canada.
	1876 Mar. 7.	LUNDIE, CORNELIUS .. ..	Rhymney Railway, Cardiff.
	1876 Feb. 1.	..	Cardiff.
	1879 Mar. 4.	LUNDIE, GEORGE ARCHIBALD ..	
<span style="font-size: large;">m</span> <span style="font-size: large;">X</span>	1878 May 7.	LUPTON, Professor ARNOLD ..	6 De Grey Rd., Leeds. (Arnold Lupton, Canada. (ton, Leeds. 330.)
	1881 Dec. 6.	LYNCH, FRANCIS JOSEPH ..	B.B. & C.I. Ry., Eng.'s Dept., Bombay.
	1877 Dec. 4.	LYNDE, FRANCIS GASCOIGNE ..	
	1882 May 23.	..	
	1875 May 11.	LYNDE, JAMES HENRY .. ..	{ Buckland, Ashton-on-Mersey, Manchester.
	1877 Nov. 27.	..	
	1884 Dec. 2.	LYNN, GRAHAM RIGBY ..	{ Chief Engineer's Office, Baroda, Bombay.
	1890 May 20.	..	
	1888 Dec. 4.	LYONS, ANDREW OLIVER ..	County Surveyor, Mallow, co. Cork.
	1882 Dec. 5.	LYSTER, ANTHONY GEORGE ..	Dockyard, Liverpool.
<span style="font-size: large;">X</span>	1858 Dec. 7.	LYSTER, GEORGE FOSBURY ..	Plas Isaf, Ruthin, North Wales.
	1873 Feb. 4.	MACADAM, PHILIP HENRY ..	Grindlay's, 55 Parliament St., S.W.
<span style="font-size: large;">m</span> <span style="font-size: large;">X</span>	1882 Feb. 7.	*MACALISTER, DANIEL .. ..	Havelock Bldgs., Greenock, N.B.
	1891 Sept. 29.	..	27 Somerleyton Rd., Brixton, S.W.
	1881 Dec. 6.	MCALPINE, JOHN LEONARD ..	1 Plowden Buildings, Temple, E.C.
	1879 Feb. 4.	MACASSEY, LUKE LIVINGSTON ..	
	1886 Feb. 9.	..	
	1873 May 6.	MACBRIDE, ROBERT KNOX, ..	Kandy, Ceylon.
	1879 Nov. 4.	C.M.G. .. .. .. ..	{ Boro' & Water Engineer, Blackburn. (122.)
	1883 May 1.	McCALLUM, JAMES BRADDON ..	
	1887 Nov. 8.	..	
	1864 Apr. 5.	McCLEAN, FRANK, M.A. .. ..	Norfolk Ho., Norfolk St., Strand, W.C.
<span style="font-size: large;">t</span>	1867 Dec. 10.	McCLELLAND, WALTER SIMPSON ..	Jamnagar, Kathiawar, India.
	1867 Dec. 3.	McCONNOCHEE, JAMES ADAIR ..	Surrey Com. Docks, Rotherhithe, S.E.
	1865 Jan. 19.	McCORMICK, JOHN MACNEILL ..	Govt. Rys., Hobart, Tasmania.
	1891 May 5.	..	
	1882 Feb. 7.	McCUDDEN, EDMUND GERALD ..	King, King & Co., Bombay.
	1886 Nov. 2.	JAMES .. .. .. ..	Dock Office, Cumberland Basin, Bristol.
	1885 Dec. 1.	McCURRICH, JOHN MARTIN, ..	City Engineer, Glasgow.
	1892 Nov. 22.	M.A. .. .. .. ..	Tiverton, Devon.
	1891 Apr. 7.	McDONALD, ALEXANDER BEITH ..	
	1874 Mar. 3.	McDONALD, ARTHUR HARMAN ..	
<span style="font-size: large;">s</span>	1881 Dec. 6.	*McDONALD, JOHN ALEXANDER ..	Roads and Bridges Department, Sydney, N.S.W.
	1888 Feb. 28.	..	Eng.'s Office, Midland Ry., Derby. (Engineer, Derby.)
<span style="font-size: large;">m</span>	1878 Mar. 5.	McDONALD, JOHN ALLEN ..	
	..	..	

Date of Election and of Transfer.		MEMBERS.	
t	1872 Feb. 6.	MCDONNELL, ALEXANDER ..	The Cedars, Norwood Green, Southall.
†	1877 Dec. 4.	MACDOUGALL, ALAN ..	Rusholme Road, Toronto, Canada.
	1875 Feb. 2.)	McDOUGALL, NIEL ..	{ Guildhall Chambers, Lloyd St., Man-
	1881 Mar. 15.)		chester.
	1877 May 29.	MACGEORGE, GEORGE WALTER ..	Southover, Castle Hill, Maidenhead.
	1879 Apr. 1.	McGREGOR, JOSIAH ..	78 Queen Victoria Street, E.C.
	1867 Dec. 3.	MACINTYRE, JOHN STEVENSON ..	14 Victoria Street, S.W.
T t	1875 May 4.)	MACKENZIE, JOHN BOWER ..	Yorick Club, Melbourne, Victoria.
	1878 Apr. 30.)		
	1866 Jan. 9.)	McKERROW, ALEXANDER ..	12 Victoria Street, S.W.
	1871 Dec. 5.)		
	1859 Mar. 1.)	McKIE, HUGH UNSWORTH ..	11 Victoria Street, S.W.
	1885 Dec. 1.)		
	1880 Jan. 13.)	McKINNEY, HUGH GIFFEN ..	Australian Club, Sydney, N.S.W.
	1885 Feb. 24.)		
	1870 Apr. 5.	MACKINNON, ALEX. KENDALL ..	108 Oxford Gardens, W.
	1859 May 24.)		
	1878 Apr. 30.)	MCLANDSBOROUGH, WILLIAM ..	Selsley Lawn, Cheltenham.
	1874 Mar. 3.)	MACLARAN, FRANCIS BLAYNEY ..	Grindlay's, 55 Parliament St., S.W.
	1892 Apr. 26.)		
†	1876 May 2.)	MCCLAREN, JOHN ..	{ Midland Engine Works, Hunslet,
	1892 Nov. 8.)		{ Leeds.
	1879 May 6.)	MC LAUGHLIN, FREDERICK JAMES ..	{ Delhi & London Bank, 123 Bishops-
	1887 May 17.)		gate St. Within, E.C.
†	1888 Dec. 4.	MACLEAN, LOUDOUN FRAS., C.I.E. ..	c.o. Agra Bank, Nicholas Lane, E.C.
	1878 May 28.)	{ MACLEOD, ILY. AUGUSTINE ..	340 Cooper St., Ottawa, Canada.
		{ FITZGERALD ..	
	1885 May 19.	McMORDIE, DAVID, B.E. ..	Water Conservation Dept., Sydney,
	1857 Dec. 1.)	MACNAIR, ALEXANDER HILL ..	6 Spence St., Edinburgh. [N.S.W.]
	1870 May 24.)		
	1870 Apr. 5.	MCNAY, THOMAS FOTHERGILL ..	41 Parliament Street, S.W.
	1887 Jan. 11.	MACNEE, DANIEL ..	{ 3 Victoria Street, S.W. (Macnco,
	1884 Dec. 2.)		{ London.)
	1891 May 5.)	MACPHERSON, DUNCAN ..	Canadian Pacific Ry., Montreal.
	1882 Feb. 7.	MACRAE, JOHN ..	107 Princes Street, Edinburgh.
	1874 Feb. 3.)	MC RITCHIE, JAMES ..	Singapore, S.S.
	1883 May 29.)		
	1870 Dec. 6.)	MADELEY, JAMES CHATBURN ..	A. Welby, Doveridge, Derby.
W t	1878 Feb. 19.)		{ 101 Grosvenor Rd., S.W. (Aquosity,
†	1873 May 20.	MAIR-RUMLEY, JOHN GEORGE ..	{ London.)
	1879 Dec. 2.	MAIS, HENRY COATHUPE ..	61 Queen St., Melbourne, Victoria.
	1886 Dec. 7.	MALCOLM, BOWMAN ..	Northern Counties Ry., Belfast.
†	1863 May 5.)	MALLET, ROBERT TREFUSIS ..	41 Lansdowne Crescent, Gt. Malvern.
	1876 Dec. 5.)		
	1889 Dec. 3.	MALTBY, THOMAS Crichton ..	Railways, Dunedin, N.Z.
	1882 Dec. 5.	MAMMATT, JOHN EDWARD ..	1 Albion Place, Leeds. [S.W.]
†	1872 Dec. 3.)	MANBY, EDWD. JOHN THEODORE ..	18 Barkston Mansions, Kensington,
	1879 May 27.)	{ MANCE, Sir HENRY CHRIS- { Hickie, Borman, & Co., 14 Waterloo	
		{ TOPHER, C.I.E. ..	{ Place, S.W.
	1883 Dec. 4.)		Dundalk.
	1870 May 24.)	MANISTY, EDWARD ..	
	1893 Jan. 17.)		
t	1864 Dec. 6.	MANN, GODFREY OATES ..	Hollington Pk., St. Leonards-on-Sea.
t	1888 Mar. 6.	MANN, ISAAC JOHN ..	Rosslare Harbour, Wexford.
	1870 May 24.)	MANNERS, CHARLES ROBERT ..	12 Lombard Street, Inverness.
	1887 Nov. 8.)		
	1864 Dec. 6.	MANNING, JOHN RICHARDS ..	9 Bridge Street, Westminster, S.W.
	1858 Dec. 7.	MANNING, ROBERT ..	4 Upper Ely Place, Dublin.
T m	1887 May 3.	MANOU, JOSEPH LATIF, Bey ..	Cairo. [Rio de Janeiro.]
	1889 Dec. 3.	MANSSELL, ALFRED JOHN ..	Caixa 152, Rio de Janeiro. (Sarmia,
T t	1859 Apr. 5.)	MANSERGH, JAMES ..	{ 5 Victoria Street, S.W. (Survey,
	(1873 Dec. 9.)	(Member of Council.)	{ London.)

Date of Election and of Transfer.	MEMBERS.	
† 1881 Dec. 6.	MARCHANT, FREDERIC WILLIAM	Timaru, New Zealand.
† 1892 Nov. 29.	{ MARCOARTU, H. E. <i>Don Ar-</i>	Senate, Madrid.
1854 Mar. 7.	{ TURO DE .. .. .. ..	Tavistock Hotel, Covent Garden, W.C.
† 1847 Mar. 2.	MARGARY, PETER JOHN .. ..	Holbeck Hurst, Scarborough.
† 1860 Jan. 31.	MARILLIER, ROBERT ASPLAND	Thornfield, Darlington.
† 1866 Feb. 6.	MARLEY, JOHN WILLIAM ..	East. & Midl. Ry., Melton Constable.
1892 Dec. 6.	MARSH, HENRY .. .. ..	(Marriott, Melton Constable.)
m 1883 Mar. 6.	*MARRIOTT, WILLIAM .. ..	Ganges Canal, Bulandshahr, India.
m 1891 Nov. 17.	{ MARTH, EDWARD .. .. ..	34 Grosvenor Place, Bath.
1877 May 29.	{ MARSH, HENRY .. .. ..	190 St. Helen's Rd., Swansea.
1890 Mar. 4.	{ MARSH, THOMAS EDWARD MILLES	Hawthorn's Wks., Newcastle-on-Tyne.
1862 Mar. 4.	MARSH, WILLIAM SUTCLIFFE ..	(Richmond Hill, Birmingham.
1891 Feb. 3.	MARSHALL, FRANCIS CARR ..	(Augustus, Birmingham. 3533.)
1866 Jan. 9.	MARSHALL, WILLIAM BAYLEY ..	Richmond Hill, Birmingham.
1877 Feb. 6.	MARSHALL, WILLIAM PRIME ..	(Augustus, Birmingham. 3533.)
1887 Apr. 19.	MARTEN, EDWARD BINDON ..	Pedmore, near Stourbridge.
1845 June 3.	MARTEN, EDWARD DIMMACK,	{ The Birches, Codsall, Wolverhampton.
1886 Apr. 10.	{ MARTEN, M.A. .. .. .. ..	ton.
1857 Jan. 13.	MARTIN, DANIEL FRANCIS ..	Oriental Club, Hanover Square, W.
1877 May 8.	MARTIN, EDWARD JAMES ..	Grindlay's, 55 Parliament St., S.W.
1886 May 18.	MARTIN, EDWARD PRITCHARD ..	Dowlais Iron Works, Glamorgan.
1888 Mar. 20.	MARTIN, FRANCIS WILLIAM ..	P. W. D., Perth, Western Australia.
1858 May 4.	MARTIN, HENRY DANIEL ..	Halberry, nr. Newport, I.W.
1888 Dec. 4.	MARTIN, HENRY WILLIAM ..	Dowlais Iron Works, Glamorgan.
1859 Apr. 5.	MARTINEAU, WILLIAM .. ..	Mexican No. Pacific Ry., Dashwood
1884 Apr. 1.	MASON, CLAYTON TURNER ..	Perth, W. Australia. [House, E.C.
1888 May 15.	MASSEY, WILLIAM HENRY ..	{ 25 Queen Anne's Gate, S.W. (Mas-
1886 Feb. 2.	MATHER, WILLIAM, M.P. ..	sive, London.)
t † 1876 May 2.	MATHESON, EWING .. .. ..	Salford Ironworks, Manchester.
1865 Mar. 7.	MATHEWS, HY. MONTAGU, C.I.E.	13 Walbrook, E.C.
1877 Feb. 6.	MATTHEWS, THOMAS .. ..	Clayton, Surbiton Hill Park.
1884 May 6.	MATTHEWS, WILLIAM .. ..	Trinity House, E.C.
1870 Dec. 6.	MATTHEWS, WILLIAM .. ..	9 Victoria Street, S.W.
1876 Dec. 5.	MATTHEWS, WILLIAM .. ..	
t † 1882 Apr. 4.	MATTHEWS, WILLIAM .. ..	Municipal Offices, Southampton.
t † 1889 Apr. 30.	MATTOS, ANTONIO GOMES DE..	98 Rua da Saude, Rio de Janeiro.
1880 Dec. 7.	MAUDSLAY, HENRY .. .. ..	47 Lincoln's Inn Fields, W.C.
1849 Mar. 6.	MAUDSLAY, WALTER HENRY ..	{ 108 Westminster Bridge Road, S.E.
1871 May 2.		(4681.)
1877 Dec. 18.		
m m † 1873 Jan. 14.	*MAXWELL, JOSEPH PRIME ..	Railway Dept., Wellington, N.Z.
1883 May 29.		
1876 May 2.	MAYLOR, WILLIAM .. .. ..	{ Chesterleigh, Albemarle Road,
1879 Feb. 4.		Beckenham.
† 1869 Mar. 2.	MAYNARD, HENRY NATHAN ..	13 Victoria Street, S.W.
1879 Feb. 4.	MEADE, THOMAS DE COURCY ..	{ Belmont, Muswell Hill, N. (Um-
1891 Mar. 30.		pireship, London. 7581.)
1887 Dec. 6.	MEADE-KING, WILLIAM OLIVER ..	N.E. Ry., 37 North Bailey, Durham.
1890 Dec. 9.	EVELYN .. .. .. ..	
1863 May 5.	MEDEIROS, <i>Captain</i> VIRIATO DE	Rio de Janeiro.
† 1888 Feb. 7.	MEIK, CHARLES SCOTT .. ..	16 Victoria Street, S.W.
t † 1876 May 2.	*MEIK, PATRICK WALTER ..	{ 16 Victoria Street, S.W. (Snowdon,
t † 1880 Apr. 27.		London.)
1866 May 1.	MEIK, THOMAS .. .. ..	21 York Place, Edinburgh.
1874 May 5.	MELLISS, JOHN CHARLES ..	232 Gresham Ho., Old Broad St., E.C.
1891 Nov. 17.	MELVILLE, WILLIAM .. ..	St. Enoch Station, Glasgow.
1893 Mar. 7.		

Date of Election  
and of Transfer.

## MEMBERS.

1883 Dec. 4.	MENEZES, CAMILLO MARIA DE	{Sen. D. Level, 42 Rua da Passagem, Rio de Janeiro.
1885 May 5.	MÉRIC, LEOPOLD DOLLFUS DE	Villa mon Caprice, Galatz, Roumania.
1888 May 1.)	MERIVALE, WALTER .. ..	{Midland Wagon Co., Abbey Works, Shrewsbury
1893 Jan. 10.)		
1861 Feb. 5.	MESSENT, PHILIP JOHN .. ..	Tynemouth, Northumberland.
1879 Dec. 2.)	MESTAYER, RICHARD LIRON ..	Municipal offices, Wellington, N.Z.
1889 Jan. 29.)		
1875 Feb. 2.)	METHVEN, CATHCART WILLIAM,	
1882 Feb. 14.)	F.R.S.E. .. .. ..	Harbour Works, Port Natal.
1874 Dec. 1.)	MICHELE, VITALE DOMENICO DE	Higham Hall, Rochester.
1891 Dec. 8.)		
1870 Feb. 1.)	MIDDLETON, REGINALD EMPSON	{17 Victoria Street, S.W. (Appoint, London.)
1885 Dec. 1.)		
1863 Mar. 3.	MIERS, FRANCIS CHARLES ..	Eden Cottage, Beckenham. [S.W.]
1880 Feb. 3.	MILES, THOMAS WILLIAM ..	H. S. King & Co., 45 Pall Mall,
1876 Mar. 7.)	MILLER, HENRY, Jun. .. ..	Bosmere Ho., Norwich Rd., Ipswich.
1886 Feb. 9.)		
1869 May 11.)	MILLER, THOMAS .. .. ..	Dock Commission, Ipswich.
1878 Mar. 21.)		
1891 May 12.	MILLS, MANSFIELD HENRY ..	Mansfield-Woodhouse, Notts.
t ♫ 1862 Apr. 1.	MILLS, WILLIAM HEMINGWAY ..	Nurney, Glenagarey, co. Dublin.
1877 Dec. 4.)	*MILSON, BOSWELL PARKINSON	Grindlay & Co., Calcutta.
1889 Nov. 5.)		
1875 Apr. 6.)	MITCHELL, JOSEPH .. .. ..	{Mining Offices, Eldon St., Barnsley. (Mitchells, Barnsley.)
1887 Oct. 25.)		
t ♫ 1881 Mar. 1.	MOBERLY, CHARLES HENRY ..	13 Belmont Park, Lee, S.E. [India.]
1889 Dec. 3.	MOLESWORTH, HENRY BRIDGES	Chuddeghat, Hyderabad, Deccan,
W m ♫ { 1854 Mar. 7.)	{MOLESWORTH, Sir GUIL-	
1862 Nov. 25.)	FORD LINDSAY, K.C.I.E. ..	The Manor House, Bexley, Kent.
1889 May 21.)	(Member of Council.)	
1891 Dec. 8.)	MOLINE, LEWIS PRICHARD ..	{60 Tivoli Rd., South Yarra, Mel- bourne, Victoria.
1872 May 7.)	*MOLLETT, FREDERICK HERBERT	
1887 May 24.)		Correo Cassilla 993, Buenos Ayres.
1888 May 1.	MONCRIEFF, ALEXANDER BAIN	Eng.-in-Chief, Adelaide, S. Australia.
1887 May 24.	MONCRIEFF, JOSEPH COWAN BAIN	Ry. Station, Adelaide, S. Australia.
1875 Dec. 7.)	MONK, HUGH LEWIN .. ..	King, Hamilton & Co., Calcutta.
1890 Nov. 11.)		
1886 Jan. 12.	MONRO, THOMAS .. .. ..	Dept. of Rys. & Canals, Ottawa,
1866 May 15.	MOORE, ALFRED .. .. ..	2 Ridgfield, Manchester. [Canada.]
♫ 1879 Mar. 4.	MOORE, BENJ. THEOPHILUS, M.A.	Longwood, Bexley, Kent.
1880 Dec. 7.)	MOORE, EDWARD JAMES .. ..	Grindlay & Co., Calcutta.
1884 Oct. 14.)		
1880 Dec. 7.)	MOORE, GEORGE EDWARD ..	Lorette, St. Servan, France.
1884 Mar. 4.)		
1887 Dec. 6.	MOORE, ROBERT .. .. ..	Laclede Building, St. Louis, Mo., U.S.
1867 Jan. 8.	MOORSOM, LEWIS HENRY ..	20 Cooper St., Manchester.
1888 Jan. 10.	MORCOM, ALFRED .. .. ..	Ledsam Street Works, Birmingham.
(1866 Dec. 4.)	{MORE, CHARLES JAMES .. ..	{Thames Conservancy, 41 Trinity Square, E.C.
1879 Apr. 29.)		
1881 Dec. 6.)	*MOREING, CHARLES ALGERNON	{Broad St. House, E.C. (Bewick, London. 1853.)
1888 Feb. 7.)		
1869 May 4.	MORELAND, RICHARD .. ..	{4 Highbury Quadrant, N. (Expau- sion, London.)
1883 Jan. 9.)	MORGAN, CHARLES LANGBRIDGE	G. E. Ry., Liverpool Street, E.C.
1889 Apr. 30.)		
1882 Dec. 5.)	MORGAN, WALTER CAMPBELL DE	Arbuthnot & Co., Madras.
1891 May 12.)		
1892 Dec. 6.	MORGANS, THOMAS .. .. ..	Guildhall, Bristol.
1865 Dec. 5.	MORIARTY, EDWARD ORPEN ..	
T t ♫ 1891 May 5.	MORISON, GEORGE SHATTUCK	49 Delaware Place, Chicago, Ill., U.S.
1892 May 24.	*MORLEY, GEORGE STREATFIELD	{Master's Lodge, Lord Leycester's Hospital, Warwick.

Date of Election and of Transfer.	MEMBERS.	
1884 Dec. 2.)	MORRIS, DAVID .. .. ..	Port Trust, Manora, Karachi, India.
1889 May 21.)	MORRIS, FRANK .. .. ..	Gas Company, Brentford.
1870 Feb. 1.)	MORRIS, THOMAS BACON ..	H. S. King & Co., 45 Pall Mall, S.W.
1878 Apr. 30.)		
1881 May 31.)	MORRIS, WILLIAM .. .. ..	Kent Waterworks, Deptford, S.E.
t $\ddagger$ { 1870 Mar. 1.)	MORRISON, GABRIEL JAMES ..	Shanghai, China.
W t $\ddagger$ { 1870 Feb. 1.)	MORRISON, GABRIEL JAMES ..	Shanghai, China.
1874 Nov. 17.)	MORSING, CARLOS ALBERTO ..	Rua da Alfandega 6, Rio de Janeiro.
1883 May 29.)	MORTON, ANDREW .. .. ..	N.W. Ry., Lahore, India.
1893 Feb. 7.)	MORTON, ROBERT .. .. ..	32 St. John's Park, Blackheath, S.E.
$\ddagger$ 1872 Dec. 3.)	MORTON, ROBERT .. .. ..	98 Oxford Gardens, W.
1877 Dec. 4.)	MORTON, WILLIAM .. .. ..	
m { 1879 Feb. 4.) *MOSS-BLUNDELL, ARTHUR { 2 Victoria Mansions, Westminster,		
m { 1888 May 15.) SPENCE .. .. .. ..} S.W.		
T t $\ddagger$ 1862 Jan. 14.)	MOSSE, JAMES ROBERT .. ..	Conservative Club, St. James's, S.W.
1884 Dec. 2.)	MOSTYN, ROBERT JOHN COUR-	Thames Conservancy, 41 Trinity
1890 Apr. 29.)	TENAY .. .. .. ..} Square, E.C.	
$\ddagger$ 1885 May 5.)	MOUNTAIN, ADRIEN CHARLES ..	City Surv., Melbourne, Victoria.
t $\ddagger$ { 1880 Dec. 7.) *MOYLE, GEORGE .. .. ..	Bengal-Nagpur Ry, Dongargarh, C.P.	
{ 1890 Nov. 11.) MOYLE, GEORGE .. .. ..	Greencliffe House, Hartlepool. [India.	
1889 Apr. 2.) MUDD, THOMAS .. .. ..		
1871 Apr. 4.) MUIR, EDWIN .. .. ..	37 Brown Street, Manchester.	
1877 Nov. 27.)	MUIRHEAD, JOHN .. .. ..	{ 23 Regency St., Westminster, S.W.
1884 May 27.)		{ (Regency, London. 3082.)
1892 May 3.) *MULLALY, JOSEPH JOHN ..	H. S. King & Co., 45 Pall Mall, S.W.	
1888 Feb. 7.) MULVANY, CHRIS. JOHN, B.E.	Coshla, Castlerea, Ireland.	
1875 Dec. 7.) MURRAY, ALEXANDER .. ..	P.W.D., Batticaloa, Ceylon.	
1892 Nov. 1.) MURRAY, FREDERICK CHARLES ..	P.W.D., Jullundur, Pnnjab.	
m { 1876 Feb. 1.) *MYERS, WILLIAM BESWICK ..	14 Victoria Street, S.W.	
m { 1882 Jan. 24.)		
1884 Dec. 2.) NAPIER, JAMES MURDOCH ..	68 York Road, Lambeth, S.E. [W.	
1876 Dec. 5.) NAPIER, JOHN .. .. ..	C, Audley Mansions, Grosvenor Sq.,	
1868 Mar. 3.) NAPIER, WM. HENRY EDWARD	80 Redcliffe Gardens, S.W.	
$\ddagger$ { 1847 Mar. 2.) NEATE, CHARLES .. .. ..	{ 14 Victoria Street, S.W. (Trigonon,	
{ 1859 Mar. 8.)		{ London.)
1865 Feb. 7.) NETHERSOLE, WILLIAM .. ..	36 Maison Dieu Road, Dover.	
1858 May 4.) NEUMANN, GEORGE .. ..	Honiton, Devon.	
1870 Apr. 5.) NEWBIGGING, THOMAS .. ..	5 Norfolk Street, Manchester.	
1878 Apr. 30.)		
1879 May 6.) NEWHEY, JOSEPH .. .. ..	{ P.W.D., King William's Town,	
1891 Nov. 9.)		{ C.C.
1857 Feb. 3.) NEWTON, JOHN .. .. ..	Carlton Bldgs., Manchester.	
1868 Mar. 31.)		
1873 Mar. 4.) NICHOLAS, CHARLES EDWARD ..	Ry. Dept., Sydney, N.S.W.	
1880 Mar. 2.) NICHOLS, OTHNIEL FOSTER ..	Elevated Rlrd., Brooklyn, N.Y., U.S.	
1892 Feb. 2.) NICHOLS, THOS JOHN FRANCIS		
1875 Dec. 7.) NICOLLS, THOS JOHN FRANCIS { 14 Bridge St., Glasgow.		
1879 Mar. 25.) B.A. .. .. .. ..} {		
1882 Mar. 7.) NIGHTINGALE, WLTR. HAWKINS	Bengal Club, Calcutta.	
1875 May 4.) NISBET, WILLIAM DAVID ..	{ c.o. Queensland Govt. Office, 1 Victoria Street, S.W.	
1889 Dec. 3.) NIVEN, THOMAS OGILVIE ..	131 West Regent St., Glasgow.	
L 1881 Dec. 6.) { NOBLE, Captain Sir ANDREW, Elswick Works, Newcastle-on-Tyne.		
	{ K.C.B., F.R.S. (late R.A.) } (Elswick, Newcastle. S.)	
1883 May 1) NORDENFELT, THORSTEN ..	Rue Auber 8, Paris.	
1886 Dec. 7.) NORMAN, CHARLES ERNEST ..	Ry. Dept., Melbourne, Victoria.	
1888 Oct. 30.)		
1883 Dec. 4.) NORMAN, MATTHEW JAS. JOSEPH { P.W.D., E. I. Ry., Buxar, Bengal.		
1890 Nov. 25.) PATRICK .. .. .. ..}		

Date of Election and of Transfer.	MEMBERS.
1877 Feb. 6.) 1883 May 29)	Nyströmer, Carl August } Bernhard .. .. .. } Avenida Alvear 324, Buenos Ayres.
1877 May 1.) 1892 Feb. 23.)	Oak, William Percival .. Govt. Rys., Maritzburgh, Natal.
1869 Jan. 9.) 1872 Apr. 23.)	O'Callaghan, Francis Lang- } Ford, C.S.I., C.I.E. .. .. } Grindlay, Groom & Co., Bombay.
1876 Apr. 4.) 1889 Jan. 15.)	O'Connell, John .. .. Inch House, Kilkenny.
1880 Apr. 6.) 1879 Apr. 1.)	O'Connor, Charles Yelverton .. Perth, Western Australia. Odling, Charles Wm., M.E. .. Arrah, Bengal.
1889 Feb. 5.) 1871 Dec. 5.)	Oldham, Abel John .. 1 Park Street, Calcutta. Oldham, Robert Augustus .. Tilthams, Godalming.
1878 Feb. 19.) x{ 1879 Feb. 4.)	Oldham, Robert Augustus .. Tilthams, Godalming. Oliver, William Thomas .. Glenluce, Crofts Bank, Urmston.
1891 Nov. 17.) 1882 Dec. 5.)	Oliver, Edward Emerson .. Suptg. Eng.. Ambala, Punjab.
1878 Jan. 15.) 1890 Nov. 25.)	Oliver, Henry .. .. .. Govt. Rys., Colombo, Ceylon. [E.C.]
t x{ 1878 Apr. 2.) 1875 Dec. 7.)	O'Meara, Patrick .. .. .. E. A. Henniker, 34 Leadenhall St., O'Meara, Thomas Francis .. { Government Railways, Maritzburg, Natal.
1890 May 6.) 1880 Jan. 13.)	200 Cumberland St., Sydney, N.S.W.
1882 May 23.) 1890 Apr. 15.)	*Orange, Francis .. .. .. 11 Gray's Inn Sq., W.C.
x{ 1882 May 23.) 1890 Apr. 15.)	*Orange, James .. .. .. Danby, Leigh & Orange, Hong Kong.
1873 May 20.) 1879 Nov. 4.)	Ormiston, George Edward .. 9 Melbury Road, Kensington, W.
1879 Feb. 4.) 1882 Jan. 10.)	Ormsby, Robert Daly .. .. P. W. D., Colombo, Ceylon.
1885 Feb. 10.) 1865 Apr. 4.)	Osborne, James .. .. .. 5 Clifton Villas, Truro.
1875 Jan. 12.) 1885 Nov. 10.)	Osburn, Henry .. .. .. 24 Cedars Road, Clapham, S.W.
1883 Feb. 6.) 1867 Feb. 5.)	Otley, Drewry Gifford .. Co. Surveyor, Carrick-on-Shannon.
1874 Jan. 13.) 1882 Mar. 28.)	Otway, James, B.A. .. .. .. W'ford, Dnngarvan & L.Ry., Waterford.
1870 Feb. 1.) 1877 May 8.)	Owen, George .. .. .. Cambrian Railways, Oswestry.
1877 May 29.) 1881 May 24.)	Owen, William Lancaster .. Faithfull & Owen, 11 Victoria St., S.W.
x{ 1861 Dec. 3.) 1871 Nov. 21.)	Packson, Jonathan .. .. .. Haling Ho., Waddon Rd., Croydon.
m{ 1875 Feb. 2.) 1891 May 12.)	Paddon, John Birch .. .. .. Drymma, Neath, Glamorgan.
1870 Feb. 1.) 1877 May 8.)	Page, George Edward .. .. .. Glenfield, Kingston Hill.
1884 Dec. 2.) 1887 Apr. 5.)	Pain, Arthur Cadlick .. .. .. 17 Victoria Street, S.W.
1870 Dec. 6.) 1879 Nov. 11.)	Paliser, Harry George .. Watson & Co., 27 Leadenhall St., E.C.
1887 May 3.) x{ 1877 Feb. 6.)	Palmer, Charles George .. P. W. D., Etawah, N.W.P., India.
1886 Mar. 2.) 1889 Jan. 8.)	Palmer, George .. .. .. Becketts, Hartley-Wintney, Winch- field.
1889 Dec. 3.) 1883 May 29.)	Park, James Crawford .. Gt. Northern Ry., Dnndalk.
1887 May 29.) 1877 May 29.)	Park, John Carter .. .. .. 68 Priory Road, N.W.
1888 Mar. 2.) 1889 Jan. 8.)	Parker, John Dunlop .. 146 West Regent St., Glasgow.
1889 Dec. 3.) 1883 May 29.)	Parker, Thomas .. .. .. Gorton House, Gorton, Manchester.
1882 Mar. 7.) 1891 May 12.)	Parker, Thomas .. .. .. Bushbury, nr. Wolverhampton.
1882 Mar. 7.) 1877 May 29.)	Parker, William .. .. .. 108 Fenchurch Street, E.C.
1882 Mar. 7.) 1877 May 29.)	Parker, William Henry .. Grindlays, 55 Parliament St., S.W.
1882 Mar. 7.) 1882 Mar. 7.)	Parke, Benjamin, M.E., F.C.H. P.W.D., Delhi, India.

Date of Election and of Transfer.	MEMBERS.	
1880 Dec. 7.) *PARKES, CHARLES REGINALD ..	{ East Ferry Rd. Eng. Works, Mill-	
1891 Nov. 3.)	wall, E.	
†{1875 May 4.) PARRY, EDWARD .. .. ..	28 Park Row, Nottingham.	
†{1879 Mar. 4.)		
1875 Mar. 2 ) PARRY, JOSEPH .. .. ..	Municipal Offices, Liverpool.	
1887 Feb. 8.)		
1881 May 31.) *PARSONS, Hon. CHARLES AL-	Elvaston Hall, Ryton-on-Tyne.	
1892 Dec. 13.) GERNON .. .. ..		
M †{1876 May 30.) *PARSONS, Hon. RICHARD ..	Oaklea, Wimbledon Park., S.W.	
†{1883 May 8.) CLERE, M.A. .. .. ..		
1892 Dec. 6.) PARSONS, WILLIAM BARCLAY ..	22 William St., New York, U.S.	
1874 Mar. 3.) PASKIN, JAMES ALKIN .. ..	Town Hall Chambers, Halifax.	
1869 May. 4 ) PASSMORE, FRANK BAILEY ..	11 Queen Victoria Street, E.C.	
1879 Feb. 4.)		
1867 May 21.) PASSOS, Dr. FRANCISCO PEREIRA ..	34 Rua da Santa Luzia, Rio de	
†{1876 Feb. 1.) PATERSON, MALCOLM McCULL-)	35 Manor Row, Bradford. [Janeiro.	
†{1885 May 5.) LOCH .. .. ..		
1874 Feb. 3.) PATERSON, MURDOCH .. ..	Highland Railway, Inverness.	
†{1852 Feb. 3.) PATERSON, PETER .. .. ..	Estcourt, Weenan County, Natal.	
†{1871 Dec. 19.)		
†{1877 May 1.) PATTERSON, ROBERT CHARLES ..	Heathfield, Hobart, Tasmania.	
1883 May 1.) *PAWLEY, RICHARD .. .. ..	Alexandra Dock, Hull.	
1889 Jan. 15.)		
1875 Feb. 2.) PAYNTER, LINDLEY WILLIAM ..	3 Marlborough Ter., Worthing.	
1887 Apr. 5.) PEACE, GEORGE HENRY .. ..	{ Motton Grange, Eccles, Manches-	
1889 Dec. 17.)	ter.	
1884 Mar. 4.) PEACOCK, RALPH .. .. ..	Gorton, Manchester. (Loco, Gorton.	
1861 Apr. 9.) PEARCE, JOHN CHARLES .. ..	Boston Spa, Tadcaster. (255.)	
1874 Apr. 14.) PEARSON, HENRY WILLIAM ..	Waterworks Office, Bristol.	
1886 Nov. 23.)		
1884 Dec. 2.) PEARSON, THOMAS WILLIAM ..	G.I.P. Ry., Bombay.	
1882 Feb. 7.) PEARSON, WILLIAM GREY .. ..	97 Cannon Street, E.C.	
1871 Mar. 7.) PENDLEBURY, JOHN .. ..	Newfoundland Ry., 31 Abchurch	
1874 Feb. 3.) PENN, JOHN, M.P. .. .. ..	[Lane, E.C.	
1880 Jan. 27.)	Greenwich, S.E.	
t †{1885 Feb. 3.) *PENNY, EDMUND .. .. ..	H. S. King & Co., 45 Pall Mall, S.W.	
†{1891 Jan. 13.)		
1892 Dec. 6.) PENNY, LOUIS .. .. ..	Gasworks, Bombay.	
1874 Jan. 13.) *PERRAM, GEORGE JAMES ..	P.W.D., Mandalay, Burma.	
1885 Feb. 24.)		
1886 Dec. 7.) PERRY, CHARLES EDWARD ..	Victoria, British Columbia.	
1892 Dec. 6.) PERRY, JAMES, M.E. .. ..	County Surveyor, Galway.	
1888 Apr. 10.) PETERS, CHARLES JASPER ..	P.W.D., Cuddalore, India.	
1874 Dec. 1.) PETERSON, PETER ALEXANDER ..	Canadian Pacific Ry., Montreal.	
1890 Apr. 1.) PEW, ARTHUR .. .. ..	Talbotton, Georgia, U.S.	
1890 Mar. 4.) PHELAN, ALFD. BERNARD, B.A. ..	Irrigation Dept., Dadupur, India.	
1873 Feb. 4.)	{ Woad Mead, St. Albans. (Phillips,	
1883 Apr. 24.) PHILLIPS, ARTHUR FREDERICK ..	St. Albans.)	
†{1868 Jan. 14.) PHILLIPS, DAVID .. .. ..	Chipping Sodbury, Gloucestershire.	
1892 Dec. 6.) PHIPPS, CHRISTOPHER EDWARD ..	Madras Railway, Madras.	
1871 May 2.) PIERCY, ROBERT .. .. ..	Old Vicarage, Wrexham.	
1880 May 4.) PIHL, CARL .. .. ..	Christiania, Norway.	
†{1856 May 20.) PILBROW, JAMES .. .. ..	Worthing.	
†{1860 Jan. 17.)		
†{1865 May 23.) PILKINGTON, WOODFORD ..	46 St. John's Park, Blackheath, S.E.	
1874 May 5.)		
1884 Dec. 2.) PIMENTEL, JOAQUIM GALDINO ..	Rua do Rezende 21, Rio de Janeiro.	
1892 Dec. 6.) PIRRIE, WILLIAM JAMES .. ..	Queen's Island, Belfast.	
t †{1877 Dec. 4.) PITT, WALTER .. .. ..	Newark Foundry, Bath.	
†{1885 Dec. 8.)		
1885 Dec. 1.) PLATT, JAMES .. .. ..	Atlas Ironworks, Gloucester.	
1888 May 15.) PLATT, JOHN .. .. ..	Salford Ironworks, Manchester.	
1884 Dec. 2.) PLATTS, JOHN JOSEPH .. .. ..	Waterworks, Odessa, Russia.	

Date of Election  
and of Transfer.

## MEMBERS.

T t L	†	{ 1840 Apr. 7.) { POLE, WILLIAM, F.R.SS.L&E. ..	Athenæum Club, Pall Mall, S.W.
		{ 1856 Feb. 12.) { ( <i>Honorary Secretary</i> ) ..	
		1865 May 23.) PONTIFEX, EDMUND ALFRED ..	72 Cornwall Gardens, S.W.
		1889 Apr. 30.) POTTER, WILLIAM FURNISS ..	16 Park Row, Leeds.
†	1877 Dec. 4.) POTTER, WILLIAM FURNISS ..	16 Park Row, Leeds.	
	1878 Feb. 5.) { *POWNALL, CHARLES ASSHETON ..	Government Railways, Tokio,	
	WHATELY .. .. ..	Japan.	
T t L	†	{ 1859 May 24.) PREECE, WILLIAM HENRY, ..	Gothic Lodge, Wimbledon, S.W.
	{ 1871 Dec. 5.) F.R.S. ( <i>Member of Council.</i> ) ..	(350, London.)	
	1853 Feb. 1.) PRENTICE, ALEXANDER ..	English Rys., Lima, Peru.	
m	{ 1879 May 27.) *PRESTON, ALFRED ELEY ..	14 The Exchange, Bradford, Yorks.	
	{ 1889 May 21.) ..		
	1867 Dec. 3.) PRESTON, JOHN .. ..	69 St. Aubyn's, West Brighton.	
T t	†	1870 Mar. 1.) PRICE, JAMES, M.A.I. ..	44 Harcourt Street, Dublin.
t	†	1888 Dec. 4.) PRICE, JAMES, JUN., B.A.I. ..	44 Harcourt Street, Dublin.
	1882 Dec. 5.) PRICE, JOHN .. ..	6 Osborne Villas, Jesmond-on-Tyne.	
†	1865 Dec. 5.) PRICE, WILLIAM HENRY ..	Chetwynd Place, Lichfield, Staffs.	
T t W	{ 1861 Apr. 9.) PRICE-WILLIAMS, RICHARD ..	{ 32 Victoria St., S.W. (Spandrel, London.)	
	1863 Mar. 3.) PRINCE, HENRY .. ..	11 Clanricarde Gardens, W.	
	1873 Dec. 6.) PRINDLE, FRANKLIN COGSWELL ..	U.S. Navy Yard, Boston, Mass., U.S.	
	1883 May 29.) PRITCHARD, EDWARD ..	{ 1 Victoria St., S.W.; & 37 Waterloo St., B'ham. (Pritchard, B'ham.)	
	1884 May 6.) PRITCHARD, EDWARD ..	Mere Lawn, Bolton.	
	1877 May 29.) PROCTOR, JONAS .. ..	Bhavnagar, Kathiawar, India.	
	1868 May 5.) PROCTOR-SIMS, RICHARD ..	Moreton Ho., Boughton, Chester.	
	1876 May 9.) PROVIS, GEORGE STANTON ..	The Broom, Raglan, Mon.	
	1878 Jan. 15.) PURCHASE, SAMUEL GUYON ..	South Lawn, Worcester.	
	1883 Jan. 9.) PURDON, HENRY ATWELL ..	43 Grange Park, Ealing, W.	
	1890 May 20.) *PURDON, HENRY ATWELL ..	Ottoman Railway, Smyrna.	
	1860 Feb. 7.) PURSER, EDWARD .. ..		
	1873 Feb. 4.) QUELCH, ROBERT JAMES ..	66 Bromfelde Road, Clapham, S.W.	
	1879 Jan. 7.) ..		
	1854 May 23.) QUICK, JOSEPH .. ..	36 Gt. George St., S.W.) (Avidity,	
	1870 Dec. 6.) QUICK, JOSEPH, JUN. ..	36 Gt. George St., S.W. } London.)	
	1875 Dec. 7.) QUIGLY, RICHARD, M.A. ..	{ Dashwood House, Old Broad St. E.C. (Skewarch, London.)	
†	{ 1870 Feb. 1.) QUINETTE DE ROCHEMONT, ..		
	{ 1883 May 22.) Baron EMILE THEODORE ..	Rue de Marignan 18, Paris.	
	1863 Mar. 3.) RADFORD, GEORGE KENT ..	71 Broadway, New York, U.S.	
	1849 Apr. 3.) RADFORD, WILLIAM .. ..	1 Princess Street, Manchester.	
	1876 Apr. 4.) RAMSAY, JAMES .. ..	King & Co., 45 Pall Mall, S.W.	
	1866 Apr. 10.) RAMSBOTTOM, JOHN .. ..	Fernhill, Alderley Edge, Cheshire.	
	1856 Dec. 2.) RAMSDEN, Sir JAMES .. ..	Barrow-in-Furness, Lancashire.	
	1881 Apr. 5.) RAMSDEN, JOHN .. ..	15 Alexandra Rd., Bedford.	
	1864 Mar. 1.) RANSOME, ALLEN .. ..	Stanley Works, Chelsea, S.W. (8578.)	
	1877 May 29.) RANSOME, ALLEN .. ..		
T t	†	{ 1863 Apr. 14.) RAPIER, RICHARD CHRISTOPHER ..	{ 32 Victoria Street, S.W. (Ransomes Rapier, London, 3012.)
	{ 1877 Apr. 17.) ..	Delaford, Iver, Bucks.	
†	{ 1848 Mar. 7.) RAWLINSON, Sir ROBERT, ..	11 The Boltons, S.W.	
	{ 1866 Apr. 17.) K.C.B. ( <i>Vice-President.</i> ) ..		
	1891 Feb. 3.) REA, SAMUEL .. .. ..	233 So. Fourth St., Philadelphia, U.S.	
	1887 May 24.) REAY, THOMAS PURVIS ..	Airedale Foundry, Leeds.	
T t	†	{ 1839 Feb. 26.) REDMAN, JOHN BALDRY ..	493 New Cross Road, S.E.
	{ 1846 Mar. 3.) ..		

Date of Election  
and of Transfer.

## MEMBERS.

1873 Dec. 2.	REE, HENRY STRUTT COLLETTE	100 Emberton Road, Ladywell, S.E.
1885 Dec. 1.		Broadway Chambers, Westr., S.W.
L 1870 Mar. 1.	{ REED, Sir EDWD. JAS., K.C.B., F.R.S., M.P. ( <i>Mem. of Council</i> )	[Carnage, London.] [Cardiff.]
1885 Dec. 1.	REES, ITHEL TREHARNE..	Guildhall Chams., Cardiff. (Mining,
1879 Feb. 4.	REES, TOGARMAH .. .. ..	Corn Exchange Chams., Newport,
1886 May 11.		Mon.
1876 Jan. 11.	REICHENBACH, OSCAR .. ..	Port Engineer's Off., Rangoon,
1880 Apr. 13.	{ REID, ALF. GEO. WOODWARD, C.M.G. .. .. ..	Burma.
1891 Mar. 3.		P. W. D. Ludhiana, Punjab.
1868 Apr. 7.	REID, GEORGE LOWE .. ..	33 Montpellier Crescent, Brighton.
1881 Dec. 6.	{ REID, HENRY DAVID ALEXAN-	Grace, Bros. & Co., Lima, Peru.
1893 Mar. 21.	DER .. .. ..	{ 10 Woodside Terrace, Glasgow. (Locomotive, Glasgow.)
1877 Feb. 6.	REID, JAMES .. .. ..	
1877 Feb. 7.	REID, ROBERT CARSTAIRS ..	72A George Street, Edinburgh.
T t <del>+</del> 1864 Dec. 6.		{ Royal Indian Eng. Coll., Staines. (Reilly, Englefield Green.)
T t <del>+</del> 1870 May 10.	REILLY, Professor CALLCOTT ..	8 Great George Street, S.W. (Suk- kur, London. 3052.)
1862 May 6.	{ RENDEL, Sir ALEX. MEADOWS, K.C.I.E., M.A. .. ..	Villa Maraval, Posilipo, Naples.
W t <del>+</del> 1863 Apr. 14.	RENDEL, GEORGE WIGHTWICK	
1882 Feb. 7.	RENDEL, WILLIAM STUART ..	8 Great George Street, S.W.
1888 Nov. 27.	RENDELL, ALAN WOOD ..	State Railway, Kanchrapara, Bengal.
t <del>+</del> 1857 Mar. 3.	RENNIE, GEORGE BANKS ..	20 Lowndes Street, S.W.
t <del>+</del> 1860 Mar. 6.		
† 1886 May 18.	RESTLER, JAMES WILLIAM ..	S'wark & V'xhall Water Co., South-
1858 Apr. 13.	RETORTILLO, ANGEL ..	Madrid. [wark Bridge Rd., S.E.]
1889 Feb. 5.	REYNOLDS, EDWARD ..	River Don Works, Sheffield.
1879 May 6.	*REYNOLDS, GEORGE BERNARD ..	Grindlay, Groom & Co., Bombay.
1892 Nov. 22.	{ REYNOLDS, Professor OSBORNE, M.A., LL.D., F.R.S. ..	Fallowfield, Manchester.
t L <del>+</del> 1883 Dec. 4.	REYNOLDS, PLAYFORD .. ..	P.W.D., Dharwar, Bombay.
1875 Dec. 7.		
1883 Nov. 6.		
1868 Apr. 7.	REYNOLDS, ROBERT .. ..	Grindlay's, 55 Parliament St., S.W.
1878 Dec. 3.		
t <del>+</del> 1873 May 20.	RHIND, ROBERT HUNTER ..	65 Cecil St., Greenheys, Manchester.
t <del>+</del> 1876 Nov. 28.		
1890 May 6.	RHODES, CHARLES EDWARD ..	Aldwarke Main Colliery, Rotherham.
1871 May 2.		
1883 Nov. 20.	RICE, JAMES .. .. ..	So. Indian Ry., Trichinopoly, Madras.
1878 May 7.	RICHARD, HENRY JOSEPH ..	P. W. Secretariat, Rangoon, Burma.
1889 Nov. 15.		
1881 Apr. 5.	RICHARDS, EDWARD WINDSOR ..	Low Moor Ironworks, Bradford.
1887 Jan. 11.	RICHARDS, THOMAS .. ..	6 Endsleigh Terrace, Tavistock.
1875 Apr. 6.	RICHARDSON, CHARLES ..	10 Berkeley Square, Bristol.
1865 Feb. 7.	{ RICHARDSON, JOHN .. ..	Methley Park, Leeds.
1879 Feb. 4.		
1872 Dec. 3.	RICHARDSON, WILLIAM PELHAM ..	P.W.D., Cawnpore, India.
1887 Oct. 25.		
1879 Mar. 4.	{ RICHES, TOM HURRY .. ..	{ Taff Vale Railway, Cardiff. (Loco- motive, Cardiff.)
1882 Jan. 10.		
1868 Apr. 7.	RICHMOND, DAVID, B.A. ..	Victoria Pl., Warrenpoint, co. Down.
1876 May 2.		
1891 Nov. 3.	RICHMOND, JAMES .. .. ..	P.W.D., Kingston, Jamaica.
1885 Jan. 13.	{ RICKARD, PERCY .. ..	Dore & Chinley Ry., Totley Rise,
1891 Jan. 27.		Sheffield.
t <del>+</del> 1865 May 23.	RIDINGS, HENRY SADLEIR, M.A. ..	Nitrate Rys., Iquique, Chili.
t <del>+</del> 1874 Nov. 24.		
t <del>+</del> 1866 Dec. 4.	RIDLEY, WILLIAM .. .. ..	151 Cannon Street, E.C.
t <del>+</del> 1874 Nov. 17.		
1876 Feb. 1.	RIGBY, JASON, B.A. .. ..	{ Entre Rios Rys., Parana, Argentine
1883 Mar. 13.		Republic.

Date of Election  
and of Transfer.

## MEMBERS.

1872 May 14,	RIGG, HENRY .. .. ..	{ Supt. Eng., State Ry., Rangoon, Burma.
1882 Nov. 7,	RINECKER, FRANCIS .. ..	Würzburg, Germany.
1889 Dec. 3.	ROBERTS, ALFRED .. ..	6 Longfield Road, Ealing, W.
1863 Feb. 3,	ROBERTS, LEONARD ROBERT ..	226 London Road, Croydon.
1876 Mar. 21,	ROBERTS, RICH. HENRY LLEW-	Holmwood, Walton Park, Clevedon.
1878 Mar. 5,	ELLIN .. .. ..	
1854 Mar. 7.	ROBERTS, SAMUEL USSHER, C.B.	6 Clyde Road, Dublin.
1870 May 3,	ROBERTS, WILLIAM .. ..	{ Mount Erica, Sylvan Rd., Upper Norwood, S.E.
1879 Mar. 25,	C.I.E. .. .. ..	
t † (1874 Dec. 1.)	ROBERTSON, FREDERICK EWART,	East Indian Ry., Calcutta.
t † (1890 Feb. 25.)		
T † (1857 Feb. 3.)	ROBERTSON, GEORGE, F.R.S.E.	Athenaeum Club, Pall Mall, S.W.
T (1863 Nov. 17.)		
1887 Feb. 1.	ROBERTSON, JAMES ROBERT ..	L. T. & S. Ry., Hornchurch, Essex.
1893 Apr. 18,	ROBERTSON, ROBERT ANDREW ..	8 Park Circus Place, Glasgow.
1869 Mar. 2.	ROBINS, CHARLES .. ..	E. C. Robins, 46 Berners St., W.
1878 May 14,	*ROBINSON, CHARLES EDWARD ..	Richmond Lodge, Torquay.
1885 Dec. 15,		
t † (1864 Feb. 2.)	ROBINSON, HENRY .. ..	13 Victoria Street, S.W.
t † (1868 Feb. 18.)		
T t † (1866 Mar. 6.)	ROBINSON, JOHN .. ..	8 Vicarage Terrace, Kendal.
† (1872 Apr. 30.)		
† (1872 Apr. 9.)	ROBINSON, JOHN .. ..	Westwood Hall, Leek.
1893 May 2.	ROBINSON, MARK HEATON ..	Ferry Works, Thames Ditton, Surrey.
1861 May 28,	ROBINSON, MURRELL ROBINSON ..	95 Philbeach Gardens, S.W.
1870 May 24,		
1876 Dec. 5.	ROBINSON, ROBERT .. ..	Darlington.
1870 Dec. 6.	ROBINSON, WILLIAM ROBERT ..	H. S. King & Co., 65 Cornhill, E.C.
1875 May 11.	ROCHE, GEORGE BYLAND ..	L. C. & D. Ry., Victoria Station, S.W.
1878 May 7.	ROFE, HENRY .. ..	8 Victoria St., S.W. (Filliter Rose, Foster Hill Road, Bedford. [Lond.]
† (1878 May 7.)	ROFF, GEORGE LENTON ..	Govt. Rys., Cradock, Cape Colony.
1880 Dec. 7.	ROSE, WILMOT JAMES .. ..	M. S. & L. Ry., Manchester.
1880 May 25.	ROSS, ALEXANDER .. ..	
† (1847 June 29.)	ROSS, OWEN CHARLES DALHOUSIE ..	15 Relf Road, Peckham, S.E.
† (1868 May 19.)		
1886 Jan. 12.	ROTHERAM, THOMAS FORTH ..	Loco. Supt. Rys., Wellington, N.Z.
1860 Apr. 3.	ROUSE, HENRY JAMES .. ..	13 Sussex Pl., Regent's Park, N.W.
1872 May 7.	ROWAN, DAVID .. ..	231 Elliot Street, Glasgow.
1855 Dec. 4,	ROWE, RICHARD REYNOLDS ..	{ Park House, Cambridge. (Rowe, Park-side, Cambridge.)
1859 Mar. 29,		
1888 Dec. 4.	ROWLANDSON, CHARLES AITHUR ..	Mersey Ry., James St., Liverpool.
1884 Dec. 2.	ROWLEY, WALTER .. ..	{ 20 Park Row, Leeds. (Walter Rowley, Leeds.)
1883 Dec. 4.	ROY, MADHUBCHUNDER, B.A. ..	Inspector of Local Works, Dacca,
1863 Apr. 14,	RUMBALL, ALFRED .. ..	5 Victoria Street, S.W. [Bengal.]
1866 Dec. 17,		
1854 May 2,	RUMBALL, THOMAS .. ..	{ 8 Union Court Chambers, Old Broad. Street, E.C.
1866 Apr. 10,		
1875 Dec. 7.	RUNDALL, JAMES WILLIAM ..	1 Park Hill, Ealing, W.
1881 Dec. 6.	RUSSELL, JOHN .. ..	15 Victoria Street, S.W.
1886 Apr. 6.	RUSSELL, MACNAMARA ..	Prell's Bldgs., Collins St., Melbourne.
1885 Feb. 3.	RUSSELL, NORMAN SCOTT ..	39 Coleman St., E.C. [Victoria.]
1888 Feb. 7.	RUTTAN, HENRY NORLANDE ..	City Engineer, Winnipeg, Canada.
1884 May 6.	RYAN, JOHN HENRY, M.A. ..	22 Nassau St., Dublin. (Mice,
1887 Dec. 6.	RYAN, ROBERT HENRY ..	Molong, Sydney, N.S.W. [Dublin.]
† (1867 Dec. 3.)	RYMER-JONES, THOMAS MANSON ..	28 Budge Row, Cannon St., E.C.
† (1870 Dec. 6.)		
† (1877 Feb. 6.)	ST. GEORGE, PERCIVAL WALTER ..	City Engineer, Montreal, Canada.
† (1887 Feb. 1.)		

Date of Election  
and of Transfer.

## MEMBERS.

1887 May 24.	SAISE, WALTER, D.Sc. .. ..	E. I. Ry., Giridih, Bengal
† 1876 Feb. 1.	SALMOND, THOMAS ROSS .. ..	Park House, Antrim Rd., Belfast.
1878 Apr. 2.)	SALTER, JOHN .. .. ..	Fore St., Camelford, Cornwall.
1879 Apr. 8.)	SAMPSON, JOHN .. .. ..	40 Acre Lane, Brixton. S.W.
1888 Dec. 4.)	SAMPSON, JOHN .. .. ..	40 Prince's Gate, S.W.
1893 Mar. 28.)	SAMUELSON, Sir BERNHARD, <i>Bart.</i> , F.R.S., M.P. .. ..	56 Prince's Gate, S.W.
1882 Dec. 5.)	SAMUELSON, ERNEST .. ..	Bodieate Grange, Banbury.
1893 Mar. 14.)	SAMUELSON, MARTIN .. ..	Hull.
† 1873 Feb. 4.	SANDEMAN, JOHN WATT .. ..	2 St. Nicholas Bdgs., Newcastle-on-
1881 Feb. 1.	SANDIFORD, CHARLES .. ..	N. W. Ry., Lahore, India. [Tyne.
1882 Dec. 5.	SANTOS, JOSÉ AMERICO DOS ..	Caixa 718, Rio de Janeiro.
(1876 Jan. 11.)	*SAWYER, ERNEST EDWARD, M.A.	40 Brompton Square, S.W.
1880 Dec. 21.)		
1877 May 29.)	SAWYER, FREDERIC HENRY READ	Muelle del Rey, Manila. [chester.
1887 Nov. 15.)		
1885 May 19.	SCHENK, AUGUSTUS OSWALD ..	Ship Canal, 41 Spring Gdns., Man-
1888 Jan. 10.	SCHRAM, JOHN RICHARD ..	17A Great George Street, S.W.
1891 Feb. 3.	SCHUYLER, JAMES DIX .. ..	San Diego, California, U.S.
1883 Dec. 4.)	SCOONES, THOMAS JAMES ..	8 Unity St., College Green, Bristol.
1888 Feb. 21.)		
1865 Apr. 4.	SCOTT, DEVONSHIRE JACKSON ..	Stanley Ho., Beaconsfield St., Bed-
1888 Mar. 6.	SCOTT, JOHN, C.B. .. ..	Cartsdyke, Greenock, N.B. [ford.
1870 May 3.	SCOTT, PETER .. .. ..	S. Mahratta Ry., Dharwar, Bombay.
1872 May 7.	SCOTT, WALTER HENRY .. ..	Park Road, East Molesey.
1879 Dec. 2.	SCOTT, WILLIAM .. .. ..	12 Flinders St. E., Melbourne, Victoria.
1891 Feb. 3.	SCOTT, WILLIAM BELLHOUSE ..	Eversley Cottage, Middleton, Lanes.
1870 Dec. 6.)	SCOTT, WILLIAM GEORGE ..	Central Station, Liverpool.
1877 Oct. 30.)		
1873 Jan. 14.)	SCOTT, WILLIAM HENRY ..	Casterton, Victoria.
1885 Dec. 15.)		
1885 Dec. 1.)	SEATON, ALBERT EDWARD, Wh. Sc. .. .. ..	Earle's Shipbuilding Co., Hull. (Seaton, Earle's, Hull.)
1881 Jan. 11.)	SEATON, EDWARD PARKE ..	Abbey Bldgs., Princes St., West-
1892 Mar. 15.)		minster, S.W.
1880 Dec. 7.	SELFE, NORMAN .. .. ..	183 Pitt Street, Sydney, N.S.W.
1884 May 6.	SELLERS, Prof. COLEMAN, D.E.	3,301 Baring St., Philadelphia, U.S.
1887 Dec. 6.	SELLERS, WILLIAM .. .. ..	Philadelphia, U.S.
1851 Dec. 2.)	SELLS, CHARLES .. .. ..	66 Acre Lane, Brixton, S.W.
1878 Jan. 15.)	SEWELL, PHILIP EDWARD ..	Clare House, Norwich.
1864 Feb. 2.		
1879 Mar. 4.)	SEYMORE, GEORGE .. .. ..	13 St. Helen's Place, E.C.
1889 Feb. 26.)		
T t † 1880 Jan. 13.	SEYRIG, THEOPHILUS .. ..	43 Rue de Rome, Paris.
1877 May 29.)	*SHADBOLT, ERNEST IFILL ..	Grindlay, Groom & Co., Bombay.
1890 Nov. 11.)		
1857 Dec. 1.)	SHAND, JAMES .. .. ..	Parkholme, Elm Park Gardens, S.W.
1874 Mar. 17.)		
1872 May 14.)	SHANKS, ARTHUR .. .. ..	Fairmile, Cobham, Surrey.
1884 Mar. 11.)		
1862 Feb. 4.)	SHARP, JOSEPH FOX .. ..	The Park, Hull.
1876 Jan. 11.)		
1877 Dec. 4.)	SHAW, ARTHUR EDMUND ..	Woolley & Co., Calle Piedad 345,
1882 Feb. 14.)		Buenos Ayres.
1873 Dec. 2.	SHAW, CYRIL JAMES .. ..	Tents Hill, Mells, Frome.
1885 Dec. 1.)	SHEARD, CHARLIE KILNER ..	Suptg. Eng., N. W. Coast, Burnie,
1891 Dec. 8.)		Tasmania.
t † { 1845 May 6.)	SHEARS, WILLIAM .. .. ..	Bridport, Kempshott Rd., Streatham,
{ 1877 May 8.)		S.W.
1856 Apr. 1.)	SHEILDS, FRANCIS WEBB WENT- WORTH .. .. .. ..	6 Delahay Street, S.W.
1859 Dec. 6.)		

Date of Election  
and of Transfer.

## MEMBERS.

T t	W	1866 Apr. 10.	{ SIELFORD, WILLIAM .. ..	35A Great George Street, S.W.
			(Member of Council.)	{ (Usefulness, London.)
+	{ 1882 Dec. 5.	*SHELLSHEAR, WALTER .. ..	Dist. Eng., Redfern, Sydney, N.S.W.	
	{ 1892 May 3.	SHERLOCK, HENRY ALEXANDER	G. E. Ry., Skinner Street, E.C.	
	1888 Feb. 7.	GEORGE .. .. ..	Grindlay, Groom & Co., Bombay.	
	1893 Apr. 18.	{ SHERMAN, WILLIAM HANBURY	7 Oxford Square, Hyde Park, W.	
	1875 Dec. 7.	PETTINGAL .. .. ..	3 Marlboro' Mansns., Victoria St., S.W.	
t	+	{ 1882 Nov. 7.	SHERWARD, JAMES CORRY ..	{ Eversholt Lodge, Coventry Park,
	1840 Apr. 14.	SHERVINTON, THOMAS ROBERT	Streatham, S.W.	
	1867 Apr. 2.	SHIELD, HENRY .. .. ..	Fawcett, Preston, & Co., Liverpool.	
	1881 Jan. 11.	SHIELD, EDWARD GOODMAN		
	1866 Jan. 9.	{ SHIELD, HENRY .. .. ..	Admiralty Works, Peterhead, N.B.	
	1870 Dec. 6.	{ 1871 Mar. 7.	19 North Side, Clapham Com., S.W.	
+	+	*SHIELD, WILLIAM .. .. ..	{ 1879 Jan. 14.	
		1889 May 7.	SHIELD, WILLIAM .. .. ..	
t	+	{ 1864 Feb. 2.	SHOOLBRED, JAMES NELSON, B.A.	13 Victoria Street, S.W.
	1876 May 9.	{ 1877 Dec. 4.		
		*SHORES, JOHN WALLIS .. ..	Govt. Rys., Maritzburg, Natal.	
		1890 Mar. 18.		
		1877 May 1.	SHORTT, CHARLES HENRY ..	4 Westcombe Hill, Blackheath, S.E.
		1893 Mar. 28.		
		1875 Dec. 7.	SIBOLD, ERNEST ALFRED ..	P.W.D., Multan, Punjab.
		1890 Nov. 11.	{ 1869 Feb. 2.	St. Stephen's Club, Westminster,
			SICCAMA, HARCO THEODORUS	S.W.
+	+	{ 1879 Jan. 28.	HORA .. .. ..	{ 12 Queen Anne's Gate, S.W. (Sie-
				mens, London. 3099.)
		1873 Feb. 4.	*SIEMENS, ALEXANDER ..	{ 12 Queen Anne's Gate, S.W. (Sie-
		1890 Nov. 25.		mens, London. 3099.)
T t	+	1870 May 24.	SIEMENS, CARL .. .. ..	
		1879 Feb. 4.	SILVA, DOMINGOS SERGIO DE	Santos, Brazil.
		1888 Feb. 14.	SABOIA E .. .. ..	
		1880 Feb. 3.	{ SIM, CHARLES LOUIS .. ..	Jaunpur, N.W.P., India.
		1891 Dec. 8.	{ 1879 Mar. 4.	
			*SIMEON, LIONEL BARRINGTON	Naini Tal, N.W.P., India.
		1892 Nov. 8.	{ 1883 May 1.	
			SIMMONS, JOHN .. .. ..	1 Prince's Street, Doncaster.
		1890 Nov. 11.	{ 1883 May 29.	
			SIMMIS, DAVID .. .. ..	29 Cromwell Road, Belfast.
		1881 May 3.	SIMON, FREDERICK .. .. ..	24 Sutherland Gds., Harrow Rd., W.
+	+	1887 Dec. 6.	SIMON, HENRY .. .. ..	20 Mount St., Manchester. (Reform,
		1868 Feb. 4.	SIMPSON, ARTHUR TELFORD ..	38 Parliament St., S.W. [Manchester.)
		1874 Apr. 14.	{ 1875 Jan. 12.	
			SIMPSON, BENJAMIN CRISPIN ..	{ Norwich Chambers, Hunter Street,
		1888 Jan. 17.		Sydney, N.S.W.
		1882 May 2.	SIMPSON, DAVID CARNEY ..	Govt. Rys., Redfern, Sydney, N.S.W.
		1893 Feb. 7.	{ 1864 Jan. 12.	
			SIMPSON, JAMES CARRINGTON	4 Broadway, Westminster, S.W.
		1874 Mar. 17.	{ 1885 May 19.	
			SIMPSON, JAMES THOMAS ..	P.W.D., Shwebo, Upper Burma.
		1870 Feb. 1.	SIMPSON, JOHN BELL ..	Hedgefield House, Blaydon-on-Tyne.
		1858 Apr. 13.	SINCLAIR, ROBERT .. .. ..	17 St. Helen's Place, E.C.
		1879 Dec. 2.	SINGLE, JOHN GODFREE ..	7 Morley Street, Plymouth.
		1885 Nov. 10.	{ 1876 Mar. 7.	
			*SKETCHLEY, HENRY GOULTON	5 Gwendwr Rd., West Kensington, W.
		1888 Nov. 27.	{ 1858 Feb. 2.	
			SLEATER, JOHN MONTGOMERY	B.B. & C.I. Ry. Co., 45 Finsbury
		1868 Mar. 17.		Circus, E.C.
		1861 Dec. 3.	SLESSOR, FREDERICK GEORGE	Monkerton Manor, Pinhoe, Exeter.
		1865 Jan. 17.	SMAIL, JOHN MOORE ..	{ Water Supply & Sewerage Dept.,
		1888 Feb. 7.		Sydney, N.S.W.
		1881 May 3.	SMART, ORTON GASTRELL ..	P.W.D., Dhubri, Assam.
		1892 May 17.		

Date of Election and of Transfer.	MEMBERS.	
1882 Dec. 5. 1888 Nov. 20. 1876 May 30. 1878 May 14. 1877 Feb. 6. 1891 Jan. 27. 1872 May 7. 1879 Nov. 11. 1878 May 28. 1888 Feb. 7. 1887 Feb. 1. 1889 May 14. 1880 May 25. †{1874 May 12. ‡{1889 Mar. 5. 1862 Jan. 14. t †{1868 Mar. 3. 1866 May 1. 1874 May 5. 1872 Dec. 3. 1878 Apr. 30. 1875 Apr. 6. 1885 Dec. 1. 1892 Nov. 1. † 1874 Jan. 13. † 1884 Dec. 2. 1877 Jan. 16. 1889 Jan. 15. 1864 Dec. 6. 1889 Mar. 5. 1877 Dec. 4. 1885 Dec. 22. 1883 Mar. 6. 1880 Apr. 6. W t †{1861 Mar. 1. T m †{1869 Dec. 7. 1875 May 4. 1879 Dec. 2. † 1867 Dec. 3. 1881 Dec. 6. 1885 May 19. 1889 May 7. 1882 Feb. 7. 1885 Feb. 3. 1877 Dec. 4. 1884 Oct. 14. 1874 Feb. 3. 1890 Nov. 11. 1891 Dec. 1. 1877 May 29. 1859 Dec. 6. 1860 Dec. 4. 1892 Dec. 6. 1883 Dec. 4. 1890 Dec. 2. m †{1878 Apr. 2. m †{1884 Nov. 25. 1870 Feb. 1. 1881 May 3. SMITH, EDMUND CASWELL BOWYER .. .. .. SMITH, ALEXANDER .. .. SMITH, EDWARD BLAKEWAY SMITH, FRANCIS FREDERICK .. SMITH, GERALD EDWARD .. SMITH, HAMILTON .. .. .. SMITH, HENRY BADELEY .. SMITH, JAMES THORNELOE .. SMITH, JAMES WILLIAM .. SMITH, JOHN CHALONER .. SMITH, JOSIAH TIMMIS .. .. SMITH, MARCUS .. .. .. SMITH, RUFERT TURBERVILLE SMITH, THOMAS TAYLOR .. SMITH, WALTER ALEXANDER .. SMITH, WILLIAM .. .. .. SMITH, WILLIAM ARCHIBALD .. SMYTH, WILLIAM STOPFORD .. SMYTHE, THOMAS DIXON .. SNEYD-KYNNERSLEY, HENRY FRANCIS .. .. .. SOARES, JOÃO TEIXEIRA .. SOPWITH, ARTHUR .. .. .. SOPWITH, THOMAS .. .. .. {SPAGNOLETTI, CHARLES ERNEST PAOLO DIANA .. .. .. SPALDING, WILLIAM HENRY .. SPENCER, JOHN FREDERICK .. SPRING, FRANCIS JOSEPH EDWD. *SQUIRE, WILLIAM WILKINSON STABLES, HENRY LEONARD .. STAFFORD, FREDERICK .. .. STANGER, WILLIAM HARRY .. STANLEY, DOUGLAS ANSTHWAITE .. STANLEY, HENRY CHARLES .. STANLEY, WALMSLEY .. .. .. STANTON, JOHN HARRISON .. STANTON, R. BREWSTER, M.A. STAUFFER, DAVID MCNEELY .. STAVELIUS, HYALMAR FREDK. STAYTON, GEORGE HENRY .. STEAD, WALKER .. .. .. County Surveyor, Northallerton. <p>Albury, N.S.W. 3 Newhall St., Birmingham. Etruria, Stoke-on-Trent. So. I. Ry., Trichinopoly, India. {St. Anne's, Grosvenor Rd., Bourne- mouth West. [Lane, E.C. Exploration Co., 30 St. Swithin's Victoria, British Columbia. The Laurels, Toowoomba, Queens- Municipal Office, Bombay. [land. {Dublin, Wicklow, &amp; Wexford Ry., Bray. Rhine Hill, Stratford-on-Avon. Ottawa, Canada. Tettenhall, Wolverhampton. Heathdale, Gosforth-on Tyne. {Roads &amp; Bridges Dept., Sydney, N.S.W. South Drive, Victoria Park, Waver- tree, Liverpool. Harbour Engineer, Aberdeen. {F. C. Puerto Cabello, Valencia, Venezuela. Alexandra Dks., Newport, Mon. Estn. del Baron, Valparaiso, Chili. 1 St.Mary's Ter., Newcastle-on-Tyne. Banco do Comercio, Rio de Janeiro. Chasetown, Walsall. {6 Great George Street, S.W. (Sop- with, London. 3175.) G. W. Ry., Paddington, W. So. Indian Ry., Trichinopoly, India. (15 Metropolitan Chams., NewBroad St., E.C. East Coast Ry., Vizagapatam, India. Port Trust, Bombay. Grande Maison Mélas, Athens, Greece. Midland Railway, Perth, Western Australia. (Broadway Testing Works, West- minster, S.W. (3117.) [S.W. Blenheim Mans., Queen Anne's Gate, So. &amp; W. Ry., Brisbane, Queensland. (The Knowle, Leigham Court Road, Streatham, S.W. Stubb House, Winston, Darlington. 2 Wall Street, New York, U.S. 12 Tribune Bldg., New York, U.S. P. W. Office, Buenos Ayres. Box 487, G. P. O., Sydney, N.S.W. County Surveyor, Northallerton.</p>		

Date of Election  
and of Transfer.

## MEMBERS.

1892 Dec. 6.	{ STEAVENSON, ADDISON LANG-	Durham.
1840 Mar. 17.	HORNE .. .. .. ..	
1854 Nov. 27.	{ STEEL, T. DYNE .. .. ..	Skinner Street, Newport, Mon.
1864 May 24.		
1876 May 30.	{ STENT, SYDNEY .. .. ..	43 St. George's St., Cape Town, C.C.
1883 May 2.		
1875 Dec. 7.	{ *STENT, WILLIAM KITSON ..	Grindlay, Groom & Co., Bombay.
1889 Nov. 5.	{ STEPHENSON, GEORGE Ro-	{ 17 Victoria Street, S.W. (Precursor,
1853 May 24.	BERT ( <i>Past-President.</i> ) ..	{ London.)
1883 Feb. 6.	STEVENS, HENRY WANSBOROUGH	Dist. Eng., Mozufferpore, Bengal.
1875 Dec. 7.	STEVENS, WILLIAM .. ..	{ Bÿgholm Veile, Oslo, Thisted Amt, N. Jutland.
1887 Feb. 1.	{ STEVENSON, CHARLES ALEX-	
1891 Apr. 28.	ANDER, B.Sc., F.R.S.E. ..	84 George Street, Edinburgh.
t m $\ddagger$	{ 1884 May 6.	STEVENSON, DAVID ALAN, B.Sc.,
	1886 Dec. 7.	F.R.S.E. .. .. ..
	1881 Mar. 1	{ STEVENSON, EDMUND HERBERT
	1889 Jan. 22	38 Parliament Street, S.W.
	1881 Mar. 1.	{ STEVENSON, FLETCHER WILSON
	1889 Jan. 22.	{ United Gas Co., Commercial Street, Sheffield. (Gas, Sheffield.)
	1867 Feb. 5.	STEVENSON, FRANCIS .. ..
	{ 1877 Dec. 4.	L. & N. W. Ry., Euston Station, N.W.
	1889 Jan. 22.	{ STEVENSON, GEORGE ERNEST ..
t $\ddagger$	1882 Feb. 7.	{ Rochdale Road Gasworks, Man- chester.
	1875 Dec. 7.	89 Philbeach Gardens, S.W.
	1893 Feb. 21.	9 Bridge Street, Westminster, S.W.
	1868 Jan. 14.	
	1877 Mar. 27.	STEWART, JAMES .. .. ..
	1880 May 25.	Auckland, N.Z.
	1880 Feb. 3.	STEWART, JOHN TIFFIN .. ..
m $\ddagger$	{ 1883 Feb. 6.	P.W.D., Wanganui, N.Z.
	1893 May 2.	{ STEWART, THOMAS .. .. ..
	1877 May 29.	{ 6 St. George's Chambers, Cape Town, C.C.
	{ 1883 May 1.	*STILEMAN, FRANK .. .. ..
	1886 Dec. 7.	23 Great George Street, S.W.
	1891 Feb. 3.	S. E. Ry., Ashford, Kent.
	1878 May 28.	Hull & Barnsley Ry., Spring Head,
	1855 Mar. 6.	G. N. Ry., Doncaster. [Hull.]
	1880 Feb. 10.	3 Poet's Corner, Westminster, S.W.
$\ddagger$	1864 Feb. 2.	Landour, Harcourt Rd., Wallington.
	1874 May 5.	{ *STONE, EDWARD HERBERT ..
	1885 Feb. 24.	King, King & Co., Bombay.
T t $\ddagger$	{ 1858 Jan. 12.	STONEY, BINDON BLOOD, LL.D.,
	1863 Nov. 17.	F.R.S. .. .. .. ..
t $\ddagger$	1875 May 4.	STONEY, EDWD. WALLER, M.E.
	1883 Mar. 6.	Ch. Eng. Office, Madras Ry., Madras.
	1878 Mar. 5.	STONEY, FRAS. GOOLD MORONY
	1876 Feb. 1.	Waterside Ironworks, Ipswich.
	1861 Dec. 3.	STOREY, HENRY FRANCIS ..
	1877 Oct. 30.	Bolarum, Deccan, India.
	{ 1871 Dec. 5.	STORY, JOHN SOMES.. .. ..
	1882 May 23.	Market Place, Derby.
	1875 May 4.	STOTHERT, GEORGE KELSON ..
	1882 Mar. 7.	Steamship Works, Bristol.
t $\ddagger$	1854 Jan. 10.	STRACHAN, JAMES .. .. ..
	1860 Jan. 17.	Municipal Office, Karachi, India.
	1876 May 2.	{ 154 West George St., Glasgow; and
	1877 Nov. 27.	{ 21 Delahay Street, S.W. (Strain, Glasgow.)
	1889 Apr. 2.	CLAREMONT ROAD, SURBITON.
	1875 Dec. 7.	STRIDE, ARTHUR LEWIS ..
	1862 Dec. 2.	{ L. T. & S. Ry., Fenchurch St., E.C. (Letser, London. 4376.)
	1875 Dec. 7.	205 La Salle St., Chicago, Ill., U.S.
	1862 Dec. 2.	Wytham Lodge, Lennox Rd., Southsea.
	1862 Dec. 2.	34 Goldstone Villas, West Brighton.

Date of Election and of Transfer.	MEMBERS.	
1882 Apr. 4. 1885 Dec. 1. 1880 Dec. 7. 1891 Feb. 3. 1874 May 5. 1883 Apr. 24. 1874 May 12. 1878 Dec. 3. 1875 Jan. 12. 1884 Jan. 22. 1877 Feb. 6. 1885 Dec. 1. 1879 May 27. 1880 Feb. 3. 1886 Nov. 9. 1877 May 29. 1879 May 6. 1876 Feb. 1. 1887 Nov. 8. T m <sup>W</sup> 1883 Feb. 6. 1890 Apr. 29. 1864 Dec. 6. 1867 May 21.  1870 Mar. 1. 1876 Dec. 12. 1877 Dec. 4. 1892 Nov. 1. 1862 May 6. 1885 Apr. 14. 1888 Dec. 18. 1873 May 6. 1880 Mar. 23. 1870 Apr. 5. 1881 Apr. 5. 1875 Dec. 7. 1879 Nov. 4. 1887 Jan. 11. 1891 Apr. 21. 1881 Feb. 1. 1890 Feb. 4. 1884 May 27. 1869 Dec. 7. 1882 Feb. 14. 1884 Apr. 1. 1875 Apr. 6. 1883 May 22. 1867 Jan. 8. 1882 Jan. 10. 1878 Mar. 5. 1886 Dec. 7. 1889 Nov. 26. 1881 May 31. 1874 Dec. 1. 1882 Feb. 7. 1887 Feb. 1. 1886 May 18. 1893 May 9. 1878 Mar. 5. 1890 May 6. 1867 Feb. 5.	STRYPE, WILLIAM GEORGE .. *STUART, ROBERT HENRY FREE .. DERICK .. .. .. .. SUTTER, ARCHIBALD .. .. SWETTENHAM, WM. NORMAN .. SWINBURN, JOHN .. .. SWINDELLS, RUPERT .. .. SWINDLEHURST, ROBT. HENRY .. SYKES, BENJAMIN .. .. .. SYKES, GEORGE HENRY, M.A. .. SYMES, JAMES PAGE .. .. SYMONS, BRENTON .. .. .. *SZLUMPER, ALFRED WEEKS .. SZLUMPER, JAMES WEEKS ..  TAIT, GEORGE HUNTER .. .. TAIT, JAMES .. .. .. .. TANNER, JOHN EDWARD .. .. *TARBUTT, PERCY .. .. .. TARGET, JOHN LEWIS FELIX .. TATAM, EDWARD JOHN .. .. TATE, JOHN .. .. .. .. TATTON, REGINALD ARTHUR .. *TAYLOR, EDWARD BROUGH .. TAYLOR, HENRY ENFIELD .. .. TAYLOR, HERBERT ARNAND .. .. TAYLOR, JOHN .. .. .. .. THELWALL, WALTER HAMPDEN .. THOMAS, EDWIN .. .. .. THOMAS, GEORGE FARMER .. .. THOMAS, HUBERT .. .. .. THOMAS, JOSEPH .. .. .. THOMAS, JOSEPH HENRY .. .. THOMAS, WILLIAM HENRY .. .. THOMPSON, ARTHUR MOORE .. .. *THOMPSON, HARRY JAMES .. .. THOMPSON, HENRY MUNGO, B.A. .. THOMPSON, ROBERT .. .. .. THOMPSON, THOMAS JEFFERSON .. ..	{ 115 Grafton Street, Dublin. (Strype, Dublin.) Montereau, Scine-et-Marne, France. 50 Parliament Street, S.W.; and 50 Frederick Street, Edinburgh. Newtown, Montgomeryshire. L. & Y.Ry., Eng.'s Off., Manchester. Wilton Vil., The Firs, Bowdon, Altrincham. Town Hall, Bolton. 33 Winckley Sq., Preston. (28.) 17 Albert Square, Clapham, S.W. Millwall, E. 11 The Parade, Truro. L. & S.W. Ry., Waterloo Station, S.E. 17 Victoria Street, S.W.  15 Lowfield St., Dartford. H. S. King & Co., 45 Pall Mall, S.W. Port of Spain, Trinidad. 23 St. Swithin's Lane, E.C. 15 Albert Grove, Southsea. Moulton, Spalding. Karachi, Sind, India. 44 Mosley St., Manchester. 27 Great George Street, S.W. (Waterage, London) 15 Newgate St., Chester. (Enfield Taylor, Chester.) 4 Great Winchester Street, E.C. 6 Queen St. Place, E.C. (1828.) 53 New Broad Street, E.C. 138 Leadenhall Street, E.C. [S.W.] 37 Harrington Rd., So. Kensington, 21 Surrey Street, Strand, W.C. { 112 Fenchurch Street, E.C. (Hanna- fore, London.) Calle Serrano 20, Santiago, Chili. 15 Parliament Street, S.W. L. & N. W. Ry., Crewe. Grindlay's, 55 Parliament St., S.W. H. S. King & Co., 45 Pall Mall, S.W. { Metropolitan Gas Co., Melbourne, Victoria. Sea Point, Rostrevor, Co. Down.

Date of Election  
and of Transfer.

## MEMBERS.

1877 May 29.	THOMPSON, Wm. GEO. MACNEILL	St. Catharines, Ontario, Canada.
1874 May 12.)	THOMS, GEORGE EASTLAKE ..	3 Cumberland Rd., Liscard, Cheshire.
1882 Nov. 14.)		
1871 Apr. 4.)	THOMSON, CAMPBELL .. ..	Oodeypore, Rajputana, India.
1885 Feb. 24.)		
1889 May 7.	THOMSON, GEORGE HUNTINGTON	Room 48, Central Station, New York,
1880 Dec. 7.)	THOMSON, WILLIAM .. ..	F.C. Algeciras, Algeciras, Spain. [U.S.]
1884 Feb. 26.)		
1870 May 3.	THORNHILL, EDWARD BAYLIES	L. & N. W. Ry., Euston, N.W.
1889 Apr. 2.	THORNHILL, JOSEPH HELEN, M.E.	Narora, N.W.P., India.
1882 Feb. 7.)	THORNTON, JOHN MILLER ..	(Midland and N. E. Rys., Uitenhage,
1887 May 3.)		Cape Colony.
W t ✕ { 1873 Jan. 14.)	THORNYCROFT, JNO. ISAAC, F.R.S.	Eyot Villa, Chiswick Mall. (Thornycroft, London. 8555.)
{ 1877 Nov. 27.)		
1872 May 7.)	*THOROWGOOD, FRANK NAPIER	Colar, Arterberry Road, Wimbledon.
1877 Dec. 11.)		
1890 Dec. 2.	THOW, WILLIAM .. .. ..	Govt. Rys., Sydney, N.S.W.
1886 May 4.)	THROPP, JAMES .. .. ..	27 The Bail, Lincoln.
1889 Jan. 8.)		
1883 Mar. 6.)	THURSBY, CHARLES RADCLIFFE	F. Thursby, 50 Moorgate St., E.C.
1891 Dec. 1.)		
1882 May 23.)	*THURSBY, PERCY .. .. ..	Harleston, near Northampton.
1881 Dec. 6.)	THURSFIELD, WILLIAM EDWIN	Gumpoldskirchen, Vienna.
1869 Dec. 7.)		
1876 Apr. 4.)	THWAITES, CHRISTOPHER ..	Christchurch Rd., Norwich.
1887 Dec. 6.)		
1889 Nov. 5.)	THWAITES, WILLIAM, M.A. ..	Board of Works, Melbourne, Victoria.
1875 Feb. 2.	TILL, WILLIAM SPOONER ..	City Surveyor, Birmingham.
1888 Feb. 7.	TILNEY, JOHN DEANE ..	Gov. Rys., East London, Cape Colony.
1881 Apr. 5.)	TIMMIS, ILLIUS AUGUSTUS ..	2 Great George Street, S.W.
1888 May 8.)		
1873 Jan. 14.)	TIPLADY, RICHARD .. .. ..	{ Bahia & S. Francisco Ry., Bahia,
1889 Feb. 5.)		Brazil.
1889 May 7.	TOMKINS, WILLIAM STEELE ..	28 Victoria Street, S.W.
1871 Feb. 7.)	Tomlinson, JOSEPH .. ..	64 Priory Road, Kilburn, N.W.
1874 Feb. 17.)		
1885 Apr. 14.)	*TOMLINSON, SAM .. .. ..	Waterworks, Bombay.
1891 Nov. 9.)		
1890 Feb. 4.	*TOPP, AUGUSTUS WORTHINGTON	Elton House, Aintree, Liverpool.
1884 May 6.	TOWER, BEAUCHAMP .. ..	5 Queen Anne's Gate, S.W.
1863 Apr. 14.	TOWNSEND, THOMAS CHARLES ..	31 Halford Rd., Richmond, S.W.
1886 Mar. 2.	TRAILL, THOMAS WILLIAM ..	16 The Chase, Clapham Com., S.W.
1874 Feb. 3.)	TRENCH, LOUIS, B.A. .. ..	{ Eng.'s Office, L. & N. W. Ry.,
1879 Mar. 25.)		Euston, N.W.
1887 Dec. 6.)	TRERY, CHARLES ALFRED ..	N.W. Ry., Bahia Blanca, Argentina.
1892 Nov. 8.)		
1879 Dec. 2.)	TREVITHICK, FRANCIS HENRY	{ Imperial Government Rys., Tokio,
1887 May 10.)		Japan.
1881 Apr. 5.)	TREVITHICK, FREDERICK HARVEY	{ Loco. Supt., Egyptian Railways,
1891 May 12.)		Cairo.
1885 May 19.	TREVITHICK, FREDERICK HENRY	21 Derby Sq., Douglas, Isle of Man.
1885 May 5.	TREVITHICK, RICHARD FRANCIS	Imperial Govt. Rys., Kobe, Japan.
1866 Mar. 6.)		{ Gas Light & Coke Co., Horseferry
† { 1875 Apr. 27.)	TREWBY, GEORGE CARELESS ..	Road, S.W.
‡ { 1877 Dec. 4.)	TRIPP, WILLIAM BLOMEFIELD	3 Victoria Street, S.W.
{ 1883 Nov. 29.)		
1871 Dec. 5.)	TRUMAN, ARTHUR SMITH ..	32 Forest Road West, Nottingham.
1892 Jan. 26.)		
1871 Apr. 4.	TRUTCH, Sir Jos. Wm., K.C.M.G.	Victoria, British Columbia.
1865 Dec. 5.)	TURNER, EDWARD RUSH ..	St. Peter's Ironworks, Ipswich.
1879 Apr. 1.)		
m ‡ { 1885 Dec. 1.)	*TURNER, JOHN HENRY TUDS-	45 Castletown Rd., West Kensington,
{ 1892 Mar. 22.)	BERY, B.Sc. .. .. ..	W.

Date of Election  
and of Transfer.

## MEMBERS.

T t F	1866 May 15.)	TURNER, WILLIAM BARROW ..	Ponsonby Hall, Carnforth.
	1877 Jan. 16.)		
	1886 Mar. 2.	TUTHILL, ROBERT REEVES, B.A. ..	3 Mount Avenue, Ealing, W.
	(1873 Dec. 2.)	TWEDDELL, RALPH HART ..	{ 14 Delahay Street, Westminster, S.W. (Tweddell, Westminster.)
	1869 Dec. 7.)	TWIGG, ROBERT HARKNESS ..	14 Victoria Street, S.W.
	1879 Feb. 25.)		
	1883 Dec. 4.	TYLDEN-WRIGHT, CHARLES ..	Ashley Grove, Worksop.
	1881 Dec. 6.	TYLER, JOHN FRANKLYN ..	101 Old Road, Blackley, Manchester.
	1877 Apr. 10.)	*TYRRELL, ARTHUR WM. NAIRNE ..	1 Victoria Street, S.W.
	1880 Mar. 16.)		
	1885 Feb. 3.	TYRRELL, FREDK., <i>Lt.-Col. ret.</i>	Johannesburg, Transvaal.
	1880 May 4.)	*TYRRELL, LEWIS GORDON ..	Midland Ry., Jhansi, N.P.W., India.
	1885 Dec. 8.)		

1865 Dec. 5.) UNWIN, HOWARD .. .. .. 1 Newton Grove, Bedford Park, W.

1876 Dec. 19.) UNWIN, Professor WILLIAM .. .. .. { 7 Palace Gate Mansions, Kensington.

CAWTHORNE, B.Sc., F.R.S. } ton, W.

1877 Oct. 30.) UPCOTT, FREDERICK ROBERT .. Consulting Eng. to Govt., Madras.

1872 Dec. 3.)

1879 Nov. 11.)

1843 May 2.) UPWARD, ALFRED .. .. .. 150 Holland Road, W.

1864 May 10.)

1887 Mar. 1.) URQUHART, THOMAS .. .. ..

1886 Feb. 2.) USSHER, EDGEWORTH RICHARD .. Dunedin, Otago, N.Z.

1864 Mar. 1.) UTLEY, SAMUEL .. .. .. { 10 Waterhouse St., Halifax, York-

shire.

1877 Mar. 6.) \*VALENTINE, FREDERICK .. Dock Extension Wks., King's Lynn.

1886 Mai. 8.)

1848 May 2.) VALENTINE, JOHN SUTHERLAND .. 8 Campden House Road, W.

1874 May 5.) VALPY, HENRY VALPY FRANCIS .. 47 Victoria Street, S.W.

1880 Feb. 3.) \*VAUDREY, JOHN CLOUGH .. { Grassdale, Westfield Rd., Edgbaston,

1893 May 9.)

1892 May 3.) VAUGHAN, RICHARD WYNDHAM .. 64 Broad Street Avenue, E.C.

1875 May 4.) VAVASSEUR, JOSIAH .. .. .. { (Rothbury, Blackheath Park, S.E.

1866 Mar. 6.) VAWDREY, WILLIAM .. .. .. { (Exemplar, London.)

1874 Jan. 6.)

1890 Apr. 1.) VECCHIO, ADOLPHO JOSÉ DEL .. { 18 Chad Road, Edgbaston, Birmingham.

1865 Dec. 5.) VERNON - HARCOURT, LEVESON .. Rua Mercado 10, Rio de Janeiro.

1865 Dec. 5.) FRANCIS, M.A. .. .. .. 6 Queen Anne's Gate, S.W.

1871 Dec. 19.)

1889 Feb. 5.) VICKERS, THOMAS EDWARD .. River Don Works, Sheffield.

1864 Feb. 2.) VIGNOLES, HENRY .. .. .. Whitehall Club, S.W.

1879 Dec. 2.) \*VINCENT, CLAUDE .. .. .. { Under Secretary to Govt., P.W.D., Calcutta.

1853 Dec. 6.) WADHAM, EDWARD .. .. .. Millwood, Dalton-in-Furness.

1866 Dec. 17.)

1887 May 24.) WAINWRIGHT, WILLIAM .. .. S. E. Ry., Ashford, Kent.

1870 May 24.)

1874 Mar. 10.) WAKE, HENRY HAY .. .. .. { River Wear Commission, Sunderland.

1878 Mar. 5.)

1870 Dec. 6.) WAKEFIELD, HENRY .. .. .. { (126.)

1875 Feb. 4.) WAKLEY, THOMAS FINSBURY .. 11 Adam Street, Adelphi, W.C.

1879 Feb. 4.) SEPTIMUS .. .. .. 2 Carlton Pl., Cordier Hill, Guernsey.

1875 Dec. 7.) WALCH, GEORGE TURNER .. Binny & Co., Madras.

1885 May 19.) WALKER, ARTHUR TANNETT .. Leeds. (Tannett Walker, Leeds. 515.)

1860 Mar. 6.) WALKER, CHARLES RITCHIE .. 58 Windsor Rd., Forest Gate, E.

1881 Apr. 5.) { WALKER, FRANCIS BLENNER-

HASSETT .. .. .. }

Date of Election  
and of Transfer.

## MEMBERS.

1891 Feb. 3.	WALKER, FREDERICK WILLIAM	Leeds. (Tannett Walker, Leeds. 515.)
1885 Apr. 14.	WALKER, JAMES, F.R.S.E. ..	Harbour Wks., Douglas, Isle of Man.
1876 Feb. 1.	WALKER, JAMES PENMAN HUGH	T. Mackey, The Diamond, Coleraine.
1868 Feb. 4.)	WALKER, THOMAS .. .. ..	Town Hall, Croydon. [co. Derry.]
1888 Dec. 18.)		
1865 May 2.	WALL, PHILIP WILLIAM .. ..	9 Duke St., Portland Place, W.
1882 Mar. 7.)	*WALLER, JOHN EDWARD ..	{ 29 Great George Street, S.W. (Kin-
1891 Nov. 3.)		caid, London. 3011.)
1865 Dec. 5.)		
1877 May 8.)	WALLIS, GEORGE AMBROSE ..	14 Sea Side Road, Eastbourne.
1875 May 4.	WALLIS, HENRY ELLIS .. ..	33 Maclige Rd., Kensington, W.
1880 Jan. 13.	WALLIS, HERBERT .. .. ..	Grand Trunk Railway, Montreal.
1874 Apr. 14.)		{ 9 Victoria Street, S.W. (Workable,
1886 Nov. 2.)	WALMISLEY, ARTHUR THOMAS ..	London.)
1883 Feb. 6.)	WALSH, HENRY DEANE, B.E. ..	Harbours and Rivers Dept., New-
1889 Nov. 5.)		castle, N.S.W.
T t $\ddagger$ 1876 Dec. 5.)	{ WALTON, FRED. THOS. GRAN-	Lucknow, India.
1867 Dec. 3.)	VILLE, C.I.E. .. .. ..	
1881 May 3.)	WALTON, JAMES BIRDSALL ..	6 Great College Street, S.W.
1872 Feb. 6.)		
1879 Dec. 9.)	WALTON, RIENZI GIESMAN ..	2 Lexham Gardens, W.
1880 Jan. 13.)		
1882 Nov. 7.)	WARD, REGINALD FOSTER ..	{ 1 Osborne Avenue, Newcastle-on-
1887 Dec. 6.	WARDALE, JOHN DOBSON ..	Tyne. [(Wardale, Gateshead.)]
1858 Feb. 2.)	WARDELL, WILLIAM WILKINSON ..	3 Walker Ter., Gateshead-on-Tyne.
1869 Apr. 6.)		Sydney, New South Wales.
1885 Dec. 1.	WARDEN, HOWARD WILLIAM ..	Shillong, Assam.
1887 Mar. 1.	WARD-SMITH, WILLIAM .. ..	E. Jumna Canal, Saharanpore, India.
1873 Apr. 1.)	WARE, CHARLES EDWIN ..	Gandy Street Chambers, Exeter.
1880 Feb. 17.)		
1887 Dec. 6.	WARING, CHAS EDWD. DELANCY ..	39 Victoria Street, S.W.
$\ddagger$ 1875 Apr. 6.)	WARING, FRANCIS JOHN, C.M.G. ..	Nanu Oya, Ceylon.
$\ddagger$ 1879 Feb. 18.)		
$\ddagger$ 1882 Dec. 5.	WARING, GEORGE E., JUN. ..	Newport, Rhode Island, U.S.
$\ddagger$ 1872 Dec. 3.)	WARING, HENRY ROBERT ..	127 San Miguel, Palma, Mallorca.
1877 Dec. 4.)	{ WARREN, Prof. WM. HENRY, ..	University, Sydney, N.S.W.
1887 Feb. 8.)	Wh. Sc. .. .. .. ..	
1875 May 4.)	WATSON, JAMES .. .. ..	{ Waterworks Eng., Town Hall, Brad-
1885 Jan. 20.)		ford.
1867 Apr. 2.)	WATSON, JOHN WM. MITTON ..	{ Westwood Tower, Bolingbroke
1880 Apr. 20.)		Grove, S.W.
$\ddagger$ 1868 Jan. 14.)	WAWN, CHARLES .. .. ..	Brunswick Ironworks, Wednesbury.
$\ddagger$ 1877 May 8.)		(Shaft, Wednesbury.)
1887 May 3.	WAY, ROBERT ATWELL ..	H. S. King & Co., 45 Pall Mall, S.W.
1878 Jan. 15.)	WEAVER, WILLIAM .. .. ..	Town Hall, Kensington, W.
1892 Feb. 9.)		
$\ddagger$ 1865 May 23.)	WEBB, FRANCIS WILLIAM ..	L. & N.W. Ry., Crewe.
$\ddagger$ 1872 Dec. 3.)	(Member of Council.) ..	
$\ddagger$ 1857 Mar. 3.)	WEBB, FREDERICK CHARLES ..	63 Forest Road, Dalston, N.E.
$\ddagger$ 1868 Feb. 4.)	{ WEBBER, Maj.-Gen. CHARLES ..	17 Egerton Gardens, S.W.
1891 Dec. 1.	EDMUND, C.B., late R.E. ..	
1876 Feb. 1.)	WEBSTER, JOHN .. .. ..	32 Drewton Street Bradford.
1889 Jan. 29.)		
T t $\ddagger$ 1879 Feb. 4.)	WEBSTER, JOHN JAMES .. ..	39 Victoria Street, S.W.
1886 May 11.)		
1865 Mar. 7.)	WEEDON, FREDERICK MINSHULL ..	30 Elgin Avenue, St. Peter's Pk., W.
1871 Dec. 19.)		
1876 Mar. 7.)	WEEDON, JOHN FRANCIS ..	Springfield, Oxley, Queensland.
1890 Jan. 21.)		
1881 Feb. 1.	WELBY, RICHARD FLINT ..	11 Bulganak Rd., Thornton Heath.
1875 May 11.	WELLESLEY, GERALD EDWARD ..	33 Portman Sq., W.
1889 Feb. 5.	WELLINGTON, ARTHUR MELLEN ..	Tribune Building, New York, U.S.
1890 Jan. 14.	WELLS, FREDERICK .. ..	Eversley, Balmain, N.S.W.

Date of Election and of Transfer.	MEMBERS.	
1881 Dec. 6.	WELLS, JAMES WILLIAM .. ..	Olinda, Penge Rd., Beckenham.
1872 May 7.	WELLS, LIONEL BURY .. ..	5 John Dalton St., Manchester.
† 1870 Dec. 6.	WELSH, EDWARD .. ..	
1869 Dec. 7.)	WENDEN, HENRY CHAS. EDWD.	G. I. P. Ry., Bombay.
1891 May 5.)		{ Clyst House, Theydon Bois Road, nr. Epping. [Liverpool.]
1866 Dec. 4.	WEST, ARTHUR ANDERSON ..	4 Castle Street, Liverpool. (Referee,
1885 Dec. 1.	WEST, HENRY HARTLEY ..	Barfield House, Didsbury, Mchtr.
1884 May 6.	WEST, JOHN .. .. ..	{ Broadway Chambers, Westr., S.W. (Donbowes, London. 3199.)
1872 May 14.)	*WESTERN, CHARLES ROBERT ..	135 George Street, Edinburgh.
1879 May 27.)		Westland, DAVID MONRO ..
† 1878 Jan. 15.		{ WESTMACOTT, PERCY GRAHAM BUCHANAN .. .. ..
1861 May 28.		Benwell Hill, Newcastle-on-Tyne. (Elswick, Newcastle. S.)
1889 Feb. 5.)	WESTON, EDMUND BROWNELL ..	Providence, Rhode Island, U.S.
1891 May 5.)		{ Napier Yard, Millwall, E. (West- wood, London. 5065.)
1877 May 29.	WESTWOOD, JOSEPH .. ..	Boston, Lines. (Wheeler, Boston.)
t † 1867 Dec. 3.	WHEELER, WILLIAM HENRY ..	Queen's Square, Middlesbrough.
1872 Apr. 9.)	WHIPHAM, ARTHUR HENRY ..	{ South Mahratta Railway, Hubli, India.
1878 Apr. 30.)		High Stakesby, Whitby.
1879 Dec. 2.)	WHITCOMBE, CHARLES PALMER ..	{ Torromé, Son, & Co., 4 Jeffrey's Sq., St. Mary Axe, E.C.
1892 Feb. 16.)		P.W.D., Indore, Central India.
1862 May 6.	WHITE, CHARLES FITZWILLIAM ..	{ 66 Belsize Park Gardens, N.W. (Brentesia, London.)
1875 May 11.)	WHITE, GUILLERMO .. ..	Town Hall Buildings, Oxford.
1885 Feb. 3.)		
1881 Mar. 1.	WHITE, HENRY FREDERICK ..	
1870 Jan. 11.	WHITE, ROBERT .. .. ..	
1872 Feb. 6.)	WHITE, WILLIAM HENRY ..	
1879 Jan. 14.)		
† 1882 Feb. 7.	{ WHITE, WM. HY., C.B., F.R.S.) (Member of Council.)	Admiralty, S.W.
1882 Dec. 5.)	*WHITEHOUSE, GEORGE .. ..	Grindlay's, 55 Parliament St., S.W.
1892 Feb. 23.)		
1866 Apr. 10.)	WHITING, JAMES EDWARD, M.A. ..	Consulting Engineer, Poona, India.
1874 Dec. 22.)		
† 1874 May 5.)	WHITLEY, HENRY MICHELL ..	11 Victoria Street, S.W. [U.S.
1891 Dec. 8.)		Milwaukee & St. Paul Ry., Chicago,
1885 May 5.	WHITMORE, DON JUAN ..	9 New Broad Street, E.C.
1871 Apr. 4.)	WHITTLE, JAMES HENRY ..	2 Queen Square Place, S.W.
1879 Dec. 23.)		Ballinure House, Blackrock, Cork.
1851 May 2.	WHITTON, JOHN .. .. ..	Dock Office, Leith.
1877 Feb. 6.)	WHITTY, IRWINE JOHN ..	P. W. D., Allahabad, India.
1877 Oct. 30.)		Well House Foundry, Leeds.
1883 May 29.	WHYTE, PETER .. .. ..	Weetwood, Leeds.
1890 May 20.	WICKES, THOMAS HAINES ..	{ City Surveyor, Bower Spring, Shef- field.
1889 Feb. 5.	WICKSTEAD, JOSEPH HARTLEY ..	Mersey Buildings, Liverpool.
1892 Apr. 5.	WIGRAM, REGINALD .. ..	The Residency, Pudukota, Madras.
1881 Jan. 11.)	WIKE, CHARLES FROGGATT ..	4 College Hill, E.C.
1890 Nov. 11.)		Public Works Dept., Cairo.
1891 May 5.	WILCOX, ERNEST SHEPLEY ..	
1870 Dec. 6.)	WILKS, CHARLES HENRY ..	18 Great George Street, S.W. [N.S.W.
1879 May 27.)		Harbours and Rivers Dept., Sydney,
1873 May 20.)	WILCOCKS, GEORGE WALLER ..	{ Eng.'s Off., Ship Canal Co., Man- chester. (Leader, Manchester. 688.)
1880 Feb. 21.)		Christchurch, N.Z.
T t † 1885 Dec. 1.)	WILCOCKS, WILLIAM .. ..	Waterworks Eng.'s Off., Cardiff.
1887 Apr. 19.)		
† 1847 June 29.)	WILLIAMS, ALFRED .. .. ..	
† 1864 Jan. 19.)		
1891 Apr. 7.	WILLIAMS, ALFRED .. ..	
† 1860 Feb. 7.	WILLIAMS, EDWARD LEADER ..	
1879 Mar. 4.	WILLIAMS, GEO. PHIPPS, B.A. ..	
1878 Feb. 5.	WILLIAMS, JN. AVERY BRANTON ..	

Date of Election and of Transfer.	MEMBERS.
† { 1871 Mar. 7. 1877 Nov. 27. } WILLIAMS, JOHN EVELYN .. .. Witham Office, Boston, Lincolnshire.	
1855 May 22. } WILLIAMS, MORGAN BRANSBY .. Killay House, Swansea.	
1861 Jan. 15. } WILLIAMS, WILLIAM LAWRENCE .. { 16 Victoria Street, S.W. (Snowdon, 1885 May 19. } (London.)	
1887 Mar. 8. }	
1867 May 1. } *WILMER, HORACE .. .. G. E. Ry., Stratford.	
1888 Jan. 17. }	
t † 1867 Mar. 5. WILSON, ALLAN .. .. East Castle St., Bridgnorth, Salop.	
1875 Dec. 7. } WILSON, ARTHUR ROSS .. { Sewerage & Water Works, Benares, 1890 Mar. 25. } (India.	
1870 Feb. 1. }	
1880 Mar. 16. } WILSON, EDWARD .. .. 11 Victoria Street, S.W.	
t † 1863 Jan. 13. } WILSON, GEORGE .. .. A. Sauvée, 22 Parliament St., S.W.	
1872 Mar. 19. } WILSON, JAMES .. .. { 20 Bucklersbury, E.C. (Noswill, 1860 Feb. 7. } (London.)	
1877 May 29. } WILSON, JAMES .. .. Municipal Buildings, Greenock, N.B.	
1888 Mar. 6. } WILSON, JOHN .. .. { G. E. Ry., Liverpool St., E.C. 1878 Mar. 5. } (Wilson, Eastern, London.)	
1870 Dec. 6. } WILSON, JOHN HATTON .. .. 14 Roseville St., St. Helier's, Jersey.	
1882 Nov. 7. }	
t † 1876 Mar. 7. WILSON, JOSEPH MILLER .. Drexel Bldg., Philadelphia, U.S.	
1869 Feb. 2. }	
1879 Jan. 14. } WILSON, JOSEPH WILLIAM .. South Tower, Crystal Palace, S.E.	
1875 Dec. 7. } WILSON, ROBERT .. .. { 7 St. Andrew's Place, Regent's Park, 1882 May 23. } (N.W.	
† { 1883 Jan. 9. } WILSON, ROBERT, F.R.S.E. .. 13 Victoria Street, S.W.	
1886 Dec. 14. }	
1876 Apr. 4. } WILSON, ROBERT EDWARD .. 8 Delahay St., Westminster, S.W.	
1883 Nov. 13. }	
1891 Dec. 1. } WILSON, WALTER HENRY .. Stranmillis, Belfast.	
† { 1886 Dec. 7. } WILSON, WALTER STUART .. 175 Hope Street, Glasgow.	
1893 May 16. } WILSON, WESLEY WILLIAM. St. James' Gate, Dublin.	
T t † 1849 May 1. WILSON, WILLIAM .. .. 21 Little Queen St., Westr., S.W.	
1878 May 7. } *WILSON, WILLIAM JNO., F.C.H. Ministry of Public Works, Cairo.	
1890 May 20. }	
1869 May 4. } WINBOLT, JOHN STEDDY, M.A. 1 Salisbury Villas, Cambridge.	
1887 Apr. 26. }	
1866 Apr. 10. } WINGATE, ROBERT .. .. Ferro Carril Central, Monte Video.	
1877 Jan. 16. }	
1886 Dec. 7. } WINTER, GEORGE KIFT .. .. Madras Ry., Arkonam, India.	
1859 Feb. 1. } WINTER, THOMAS BRADBURY .. 53 Moorgate Street, E.C.	
1888 Dec. 4. } WISE, BERKELEY DEANE .. Northern Counties Ry., Belfast.	
1877 Feb. 6. }	
1888 Feb. 14. } WISEMAN, WILLIAM .. .. King, King & Co., Bombay.	
1884 Mar. 4. } WOLFE, JOHN EDWARD .. .. Alagoas Ry., Maceio, Brazil.	
† { 1879 Feb. 4. } WOOD, CHARLES .. .. Tees Ironworks, Middlesbrough.	
t † 1878 Apr. 2. } WOOD, CHARLES JOHN .. .. 35 Priory Road, Bedford Park, W.	
1868 May 5. } WOOD, JOHN .. .. 18 Bauk Street, Carlisle.	
1892 Dec. 6. } WOOD, JOHN THOMAS .. .. 3 Cook Street, Liverpool.	
1880 Feb. 3. } WOOD, LINDSAY .. .. Southill, Chester-le-Street.	
1892 Apr. 5. } WOOD, WALTER EDMUND .. { Tees-side Iron and Engine Works, 1872 Dec. 3. } WOODALL, CORBET .. .. Middlesbrough.	
1877 Oct. 30. }	
1886 Mar. 2. } WOODALL, HENRY .. .. 9 Bridge St., Westr., S.W. (3160.)	
1891 Mar. 3. } WOODCOCK, WILLIAM HUGH .. .. Mark Hall, Llandudno.	
1865 Apr. 4. } WOODFIELD, MATTHEW .. .. 6 Victoria Street, S.W. [London.]	
T † 1846 Apr. 7. WOODS, EDWARD ( <i>Past-Pres.</i> ) .. .. 6 Victoria Street, S.W. (Boseage,	
1866 Dec. 4. } WOODS, EDWARD HENRY .. .. 6 Victoria Street, S.W. (Fundum, 1873 May 20. } (London.)	
1884 Mar. 4. } WORSDELL, THOMAS WILLIAM .. Stonycroft, Arnside, Carnforth.	
1861 Jan. 8. } WORTHINGTON, SAM'L BARTON .. 33 Princess Street, Manchester.	

Date of Election  
and of Transfer.

## MEMBERS.

†	{ 1880 Jan. 13.)	*WORTHINGTON, WILLIAM BAR-	{ L. & Y. Ry., Engineer's Office, 1884 May 27.) TON, B.Sc. .. .. .. } Manchester.
‡	1870 Jan. 11.	WRAGGE, EDMUND .. .. ..	Grand Trunk Ry., Toronto, Canada.
	1876 Feb. 1	{ *WRENCH, JOHN MERVYN ..	Midland Ry., Jhansi, N.W.P., India.
	1882 Feb. 7.)		
	1884 Mar. 4.	WRIGHT, JAMES WALKER ..	Grindlay, Groom & Co., Bombay.
	1875 Mar. 2.	WRIGHT, JOHN .. .. ..	Teign View, Newton Abbot.
	1885 Apr. 14.	WRIGHT, Hon. JOHN ARTHUR ..	Land Co., Albany, W. Australia.
	1884 Mar. 4.	WRIGHT, WILLIAM .. .. ..	Ashridge Ho., Spalding, Lines.
	1859 Jan. 11.)	WRIGHT, WILLIAM BARTON ..	Cambridge House, Dover.
	1869 Dec. 7.)		
	1869 Dec. 7.)	WRIGHTSON, THOMAS, M.P. ..	Norton Hall, Stockton-on-Tees.
	1877 May 29.)		
	1863 Dec. 7.)	YARROW, ALFRED FERNANDEZ ..	{ Isle of Dogs, Poplar, E. (Yarrow, 1879 Nov. 4.)
			{ London. 5114.)
	1853 Dec. 6.)	YOCKNEY, SAMUEL HANSARD ..	{ 46 Queen Anne's Gate, S.W. (Yock- 1860 Jan. 31.)
			{ ney, London.) (ney, London.)
	1876 May 2.	YOCKNEY, SYDNEY WILLIAM ..	{ 46 Queen Anne's Gate, S.W. (Yock- 1872 Apr. 9.)
‡		YOUNG, EDWARD WILLIAM ..	{ Hallett & Co., 7 St. Martin's Pl., W.C. 1865 Apr. 4.)
	1884 Dec. 23.)	YOUNG, JAMES .. .. ..	21 Cambalt Rd., Putney, S.W.
	1886 May 4.	YOUNG, JAMES .. .. ..	Grindlay, Groom & Co., Bombay.
	1891 Dec. 1.	YOUNG, JOHN .. .. ..	42 Tay Street, Perth, N.B.
	1874 Dec. 1.	YOUNG, JOHN BROWN .. ..	4 Greenhill Ter., Edinburgh.
	1876 Dec. 5.)	YOURDI, GEO. NICHOLAS, B.E. ..	Cotherstone, nr. Barnard Castle.
	1884 Jan. 8.)		
	1887 May 24.	ZEAL, WILLIAM AUSTIN ..	{ 5 St. James's Buildings, William St., Melbourne, Victoria.

Total number of Members .. .. 1,821.

## ASSOCIATE MEMBERS.

[Assoc. M. Inst. C.E.]

N.B. *Those elected prior to the 2nd of December, 1878, have been transferred into this class by the Council.*

Date of Election.	ASSOCIATE MEMBERS.
1880 May 4.	ABBEY, JOE BURMAN .. ..
1893 May 2.	ABBOT, FREDERICK WILLIAM ..
1891 Dec. 1.	*ABBOTT, GEORGE HERBERT ..
1891 Dec. 1.	*ABBOTT, JAMES HARTLEY ..
1885 Dec. 1.	*ABBOTT, WILLIAM SUTHERLAND ..
1880 Mar. 2.	*ABERCROMBIE, FRANCIS .. ..
1885 Apr. 14.	AERNETHY, HAROLD WILLIAM ..
1890 May 20.	*ABRAHAMS, GEORGE EDWARD ..
1883 May 29.	ABURROW, CHARLES .. ..
1877 Feb. 6.	ACKERMANN, ADOLPHUS WM. ..
1892 Dec. 6.	*ACKERMANN, ALF. SEABOLD ELI ..
1877 Dec. 4.	*ACLAND, LAWFORD MACLEAN ..
1889 Feb. 5.	*À COURT, SIDNEY .. ..
1877 Dec. 4.	ACTON, WILLIAM RICHARD ..
1887 Mar. 1.	*ADAM, JAMES, F.C.H. .. ..
1891 Dec. 1.	*ADAM, ROBERT .. ..
1879 Feb. 4.	ADAMES, CORNELIUS GEORGE ..
1893 Apr. 11.	ADAMS, ALEXANDER .. ..
1892 Mar. 1.	*ADAMS, FREDERICK .. ..
1891 Dec. 1.	*ADAMS, GEORGE THOMAS COOKE ..
1883 Jan. 9.	*ADAMS, THOMAS .. ..
1887 May 3.	ADAMSON, MICHAEL .. ..
1889 Apr. 2.	ADCOCK, CHARLES .. ..
1889 Dec. 3.	*ADDIS, FREDERICK HENRY ..
1880 Dec. 7.	*ADDISON, PERCY LEONARD ..
T <sup>†</sup> 1862 Apr. 1.	AIDLEY, CHARLES COLES .. ..
1889 Dec. 3.	AGNEW, SAMUEL HEWETT ..
1890 Feb. 4.	AINSWORTH, ALFRED EDWARD ..
1873 Dec. 2.	AIREY, THOMAS .. ..
1887 May 24.	*AKBAR, ALI .. ..
1883 May 29.	*ALBRIGHT, JOHN FRANCIS ..
1892 Dec. 6.	{ *ALEQUERQUE-MARANHAO, AF- fonso de OLIVEIRA DE ..
1883 Mar. 6.	*ALDRIDGE, JAS. GEO. WILLCOX ..
1892 May 3.	*ALEXANDER, WILLIAM .. ..
1892 Feb. 2.	*ALFORD, JOHN SIDNEY .. ..
1889 Dec. 3.	*ALLAN, JOHN FREDERICK ..
1890 May 20.	ALLAN, PERCY .. ..
1879 Mar. 4.	ALLAN, THOMAS ALEXANDER ..
1878 May 7.	ALLEN, ALFRED .. ..
1883 Feb. 6.	ALLEN, GEORGE THOMAS ..
1893 Feb. 7.	*ALLEN, HERBERT EDWARD ..
1872 Dec. 3.	ALLEN, JOHN ROMILLY .. ..
1889 Dec. 3.	ALLEN, PARKER ROSCOE ..
	28 John William St., Huddersfield. Tequixquiac Tunnel, Zumpango, 115 Portland St., Southport, [Mexico]. Wm. Abbott, 1 Brook St., Lancaster. Alagôas Ry., Maceio, Brazil. J. Abercrombie, 23 Up. Wimpole St., W. 4 Delahay Street, Westminster, S.W.
	Box 534, Johannesburg, Transvaal. 122 Sinclair Rd., Kensington, W. 122 Sinclair Rd., Kensington, W.
	11 Little Queen St., S.W. (Bacillus, Moss Side, nr. M'chester. (London.) King, King & Co., Bombay. Central Ry. Wks., Stobcross, Glasgow. Pembroke Ho., London Rd., Portsm'th. P.W.D., Lithgow, N.S.W. 60 Queen Victoria Street, E.C. Pinchill, Old South Head Road, Waverley, Sydney, N.S.W. Eng.'s Off., N. Staffs. Ry., Stoke-on- Trent. Royal Victoria Dock, E. [Trent. 5 Queen's Square, Bognor. Rajputana-Malwa Ry. Ajmere, India, Queen Street, Whitehaven.
	97 Hereford Rd., Bayswater, W. Eng.'s Office, Midland Ry., Derby. Castle Eden, co. Durham. Jacobabad, Sind, India. Savernake Lodge, Chelmsford.
	40 Rua do Hospicio, Rio de Janeiro. 9 Victoria Street, S.W. 28 Rockybank Rd., Birkenhead. 46 Queen Anne's Gate, S.W. [E.C. Caldwell & Watson, 109 Fenchurch St., Rds. and Bdgs. Dept., Sydney, N.S.W. Brightlands, Richmond Hill. 87 Old Street, St. Luke's, E.C. 17 Bridge Rd. West, Battersea, S.W. Cavendish Cres. N., Nottingham. 5 Albert Ter., Regent's Pk., N.W. Arbuthnot & Co., Madras.

Date of  
Election.

## ASSOCIATE MEMBERS.

M †	1881 Apr. 5.	*ALLEN, PERCY RUSKIN .. ..	Woodberry Hill, Loughton, Essex.
	1892 May 24.	ALLEN, RICHARD WILLIAM ..	6 Carlton Vils., Barnes Common, S.W.
	1885 Dec. 1.	ALLEN, WILLIAM MILWARD ..	199 High St., Chorlton, Manchester.
	1885 Dec. 1.	{ *ALLMAN, FRANÇOIS ALBERT LOUIS .. .. .. ..	{ Vassiljewskij Ostroff, Line 1, No. 22, St. Petersburg,
	1882 Feb. 7.	{ ALLMANN, CLEMENS XAVER JULIUS .. .. .. ..	{ Westgate, Vine Court Road, Seven- oaks.
	1891 Jan. 13.	*ALLPORT, DOUGLAS, JUN. ..	4 Marlboro' Crescent, Chiswick, W.
	1880 Apr. 6.	ALLSOFF, JOHN .. .. .. ..	Worksop.
	1886 Feb. 2.	ALSING, GUSTAVE VALENTINE ..	180 West Regent St., Glasgow.
	1892 Mar. 1.	AMES, ERNEST FITZROY .. ..	{ Boulton & Co. Puerto Cabello, Venezuela.
	1885 Apr. 14.	AMOR, JUSTIN VICTOR WILFRID ..	Apartado de Correo 214, Mexico.
	1893 Mar. 7.	*AMPHLETT, EDWD. ALBIN, B.E. ..	Roads and Bridges Dept., Sydney, Harbour Office, Belfast. [N.S.W.
	1892 Dec. 6.	ANDERSON, ALEXANDER .. ..	46 Hill St., Garnet Hill, Glasgow.
	1892 Jan. 12.	ANDERSON, ARCHIBALD MILES ..	So, Mahratta Ry., Dharwar, Bombay.
	1890 May 6.	ANDERSON, ARTHUR ROBERT ..	Roydon Lodge, Erith, Kent.
	1883 Dec. 4.	*ANDERSON, EDWD. WM. ..	King, Hamilton & Co., Calcutta. [U.S.
	1892 May 24.	ANDERSON, FRANCIS PHILIP ..	People's Bank Bldgs., Denver, Colo., Gaswks., Upper Warlingham, Surrey.
	1883 Dec. 4.	ANDERSON, GEORGE GRAY ..	Halling, near Rochester. [vaal.
	1892 Mar. 1.	ANDERSON, GEORGE WILLIAM ..	P.O. Box 166, Johannesburg, Trans- Caledonian Ry., Buchanan St., Glas-
	1885 May 19.	*ANDERSON, HERBERT WILLIAM ..	160 High Street, Montrose. [gow.
	1889 May 7.	ANDERSON, JAMES .. .. ..	Dock St., Wellington, N.Z.
	1888 May 1.	*ANDERSON, JAMES HENRY ..	University, Melbourne, Victoria.
	1881 Apr. 5.	ANDERSON, JOHN .. .. ..	Dredging Co., Cairo.
	1888 May 1.	ANDERSON, JOSEPH .. .. ..	35A Great George Street, S.W.
	1890 Dec. 2.	{ ANDERSON, JOSHUA THOMAS NOBLE, B.E. .. .. ..	Royal Engineer Office, Ryde, I.W.
	1893 Jan. 10.	*ANDERSON, PIERCIE SEVERN ..	G.P.O., Melbourne, Victoria.
	1889 Dec. 3.	*ANDERSON, ROBT. BRUCE ..	County Surveyor, Peebles, N.B.
	1892 May 24.	ANDERSON, ROBERT FRAME ..	Government Dockyard, Bombay.
	1887 Feb. 1.	{ *ANDERSON, ROBERT OGILVIE NEWTON, B.E. .. .. ..	City Engineer, Auckland, N.Z.
	1881 May 3.	ANDERSON, ROBERT SANDERS ..	{ Clyde Mills Co., Glenlean, Sand- bank, Greenock, N.B.
	1884 Dec. 2.	ANDERSON, THOMAS .. .. ..	P.W.D., Monto Video, Uruguay.
	1879 Feb. 4.	ANDERSON, WILLIAM .. .. ..	41 Parliament Street, S.W.
	1875 May 11.	ANDRÉ, GEORGE GUILLAUME ..	Cefn Eithen, Swansea.
	1891 Dec. 1.	ANDREONI, LUIS .. .. ..	Port Darwin, N.T., So. Australia.
	1885 Apr. 14.	{ ANDREWS, JOSEPH DEVONPORT FINNEY .. .. .. ..	West Ham Local Board, E.
	1889 Dec. 3.	ANDREWS, SAML. GEO. THORNTON ..	Albany, Western Australia.
	1888 Dec. 4.	ANDREWS, WILLIAM WALLACE ..	18 Warriston Crescent, Edinburgh.
	1883 Mar. 6.	ANGELL, JOHN ALEXANDER ..	13 Crockerton Rd., Upper Tooting, Oakley, Cheltenham. [S.W.
	1886 Dec. 7.	ANGOVE, WILLIAM HENRY ..	Eng.'s Office, Tilbury Dock.
	1882 Dec. 5.	ANGUS, DAVID .. .. ..	King, Hamilton & Co., Calcutta.
	1887 Feb. 1.	ANGUS, JONATHAN .. .. ..	15 Dean's Yard, S.W.
	1861 Dec. 3.	ANLEY, JAMES LEMPRIERE ..	{ R. H. Borradaile, Tandridge Priory, Oxted, Surrey.
	1885 Dec. 1.	ANNINGSON, WM. PHILLIPSON ..	17 Victoria Street, S.W.
	1892 Dec. 6.	ANSON, ERNEST, M.A. .. ..	35 East Street, Brighton.
	1875 Dec. 7.	ANSON, FREDERICK HENRY, M.A. ..	Casilla 1045, Buenos Ayres.
	1875 Feb. 2.	ANSTEY, HARRY .. .. ..	12 Queen Anne's Gate, S.W.
	1870 Apr. 5.	ANSTIE, JOHN, B.A. .. .. ..	Balmer, Lawrie & Co., 103 Clive St., 22 Walbrook, E.C. [Calcutta.
	1892 Feb. 2.	*ANTHONY, ALBERT EVERSHED ..	33 Ligar St., Ballarat, Victoria.
	1891 Dec. 1.	*ANTHONY, CHARLES, JUN. ..	Juan de Mena 19, Madrid.
	1881 Apr. 5.	ANTILL, BENJAMIN HILLIER ..	11 Queen Street Place, E.C.
m †	1890 Dec. 2.	*APPLEBY, FRANK JAMES ..	Main Street, Bingley.
	1890 Apr. 1.	*APPLEBY, PERCY VAVASSEUR ..	
	1890 May 20.	ARCHER, OAKELEY .. .. ..	
	1883 May 1.	ARGENTI, EDUARDO .. .. ..	
	1891 Feb. 3.	ARMER, JAMES .. .. ..	
	1882 May 23.	ARMISTEAD, RICHARD .. ..	

Date of Election.	ASSOCIATE MEMBERS.			
1890 Apr. 1.	ARMITAGE, CHARLES .. ..	Gas Works, Lancaster.		
1893 Feb. 7.	*ARMITAGE, FREDK. RHODES, B.A. ..	Bourne, Lines.		
1884 Dec. 2.	{ ARMSTRONG, LAWRENCE HEN- NESSEY CLUBBY .. ..	Sind Sagar Ry., Mahmoodkote, India.		
1891 Dec. 1.	AIRNALL, THOMAS WILLIAM ..	City Surveyor's Office, Birmingham.		
1878 Feb. 5.	ARNEIL, JAMES ABRAM ..	Park Rd., Portswood, Southampton.		
1890 Dec. 2.	ARNOLD, THOMAS .. ..	19 John St., Llanelli.		
1891 Dec. 1.	*ARNOT, ARTHUR JAMES ..	Town Hall, Melbourne, Victoria.		
1891 Jan. 13.	ARNOT, WILLIAM .. ..	{ 45 John Street, Glasgow. (Induc- tion, Glasgow.)		
1891 May 12.	AIROCENA, CARLOS ALBERTO ..	Calle de Piedras 163, Monte Video.		
1881 Feb. 1.	ARROW, JAMES THOMAS ..	Eng. Dept., Govt. Off., Adelaide.		
1876 Apr. 4.	*ARTEAGA, RODOLFO DE ..	72 Calle Buenos Ayres, Monte Video.		
† 1881 Dec. 6.	ARTINGSTALL, SAMUEL GEORGE ..	28 Rialto Building, Chicago, U.S.		
1887 May 3.	ASH, HERBERT RICHD. FRANCIS ..	P.W.D., Amraoti, East Berar, India.		
1874 Apr. 14.	ASHBURY, THOMAS .. ..	{ 5 Market Street, Manchester. (Thomas Ashbury, Manchester.)		
1885 Apr. 14.	*ASHCROFT, ANDREW GEORGE ..	29 Groombridge Road, S. Hackney.		
† 1873 May 6.	*ASHHURST, FRANCIS HENRY ..	24 Cardigan Rd., Richmond, Surrey.		
1886 Apr. 6.	*ASHPITEL, FRANCIS WILLIAM ..	Parry & Co., Madras.		
1892 Dec. 6.	*ASHTON, HAROLD THOS., M.Sc. ..	Royal Laboratory, Woolwich.		
1890 Feb. 4.	ASHWELL, HARRY .. ..	Regent St., Belle Vue, Wakefield.		
1892 May 16.	*ASHWORTH, ARTHUR ALAN, B.A. ..	27 Belsize Crescent, N.W.		
1892 Jan. 12.	*ASLETT, ALFRED HENRY ..	F. C. del Sud, Buenos Ayres.		
1890 Dec. 2.	ATHIM, SAMUEL .. ..	P.W.D., Orai, N.W.P., India.		
1886 Dec. 7.	ATKINS, ALFRED .. ..	Wanganui, N.Z.		
1885 Mar. 3.	ATKINSON, ALFRED .. ..	Brigg, Lincs.		
T t † 1891 Feb. 3.	*ATKINSON, CLAUDE WM. ..	17 Victoria Street, S.W.		
1885 Feb. 3.	*ATKINSON, JOHN .. ..	Boro' Surveyor, Stockport.		
T m † 1888 Dec. 4.	*ATKINSON, LLEWELYN BIRCHALL ..	{ Goolden & Co., Woodfield Road. Harrow Road, W.		
1880 Dec. 7.	*ATKINSON, ROBERT PHILIP ..	Ganges Canal, Bulandshahr, India.		
1888 Dec. 4.	ATTARD, WALTER .. ..	41 Strada Bretannica Vittoriosa, Malta.		
† 1878 Feb. 5.	ATTWOOD, GEORGE .. ..	{ 18 St. Swithin's Lane, E.C. (Wolver- London.)		
1891 Mar. 3.	AUDEN, ARTHUR CHARLES ..	Robinson & Auden, Wantage, Berks.		
1884 Dec. 2.	AUSTEN, GEORGE IDEN ..	Panasofkee, Sumter Co., Florida, U.S.		
1888 Mar. 6.	AUSTIN, ALBERT ERNEST ..	{ Crashley & Co., Rua Ouvidor 67, Rio de Janeiro.		
1873 Dec. 2.	*AUSTIN, EDWARD ROBERT ..	Strangeways Ironworks, Manchester.		
1885 May 19.	AUSTIN, RUSSELL GARDENER ..	8 Union Court, Old Broad St., E.C.		
1882 May 23.	AVELING, THOMAS LAKE ..	Boley Hill House, Rochester.		
1888 Dec. 4.	AYRES, PHILIP PORT ..	F. C. Alcoy, Gandia, Spain.		
1891 Dec. 1.	AYRES, THOMAS LAMBERT ..	Post Office, Durban, Natal.		
1886 May 18.	*AYRIS, HENRY CROWQUILL ..	Bridgetown Waterworks, Barbados.		
1879 Feb. 4.	AYRTON, Prof. WM. EDWD., F.R.S.	Cental Instn., Exhibition Rd., S.W.		
† 1885 Apr. 14.	AYTOON, ROBERT .. ..	71 Upper Grosvenor Rd., Tun. Wells.		
1886 Mar. 2.	*BAASS, JAMES RANSON .. ..	Roundhill House, Sydenham, S.E.		
1887 Dec. 6.	*BACH, FREDERICK WILLIAM ..	46 Bassett Rd., North Kensington, W.		
1890 Dec. 2.	BACH, JOHN EDMUND ..	30 Gordon Road, Cardiff.		
1892 Dec. 6.	*BAADER, FREDERICK ROBERT ..	P.W.D., Hyderabad, Sind.		
1886 Dec. 7.	BAGCHI, MOHENDRO NATH ..	Dist. Eng., Furreedpore, Bengal.		
1888 Mar. 6.	*BAGGS, EDWIN, Wh. Sc. ..	3 Walcot Parade, Bath.		
1892 Dec. 6.	*BAGOT, LEWIS BROWN ..	Storey Square, Barrow-in-Furness.		
1886 Apr. 6.	*BAGSHAWE, FREDK. THEODORE ..	9 Hafer Rd., Clapham Junction, S.W.		
1887 May 24.	BAILES, WALTER HENRY ..	L. B. & S. C. Ry., London Bdg., S.E.		
1889 Dec. 3.	BAILEY, FRANK .. ..	{ Metropolitan Electric Supply Co. ( 17 South St., Manchester Sq., W.		
1892 Apr. 5.	*BAILEY, STANLEY CLAUDE ..	30 Eccles Rd., Clapham Junction.		
1875 Dec. 7.	BAILEY, WILFRED .. ..	Lindfield, Sussex. [S.W.		
1889 Mar. 5.	*BAILLIE, JAMES PICTON ..	Engineering Co., Cardigan.		

Date of Election.	ASSOCIATE MEMBERS.
1877 Feb. 6.	BAIN, THOMAS CHARLES JOHN
1887 Dec. 6.	BAIRD, FRANK OSBORNE .. ..
1881 Dec. 6.	*BAKER, CHAS. JOHN SEYMOUR
1889 Jan. 8.	*BAKER, EARNEST WHEATSTONE
1882 May 23.	*BAKER, EDWARD .. .. ..
1892 Dec. 6.	*BAKER, JOHN .. .. ..
1881 Dec. 6.	BAKER, JOHN BECKETT .. ..
1841 May 11. † 1867 Mar. 26.	{ BAKER, WILLIAM LEWIS .. ..
1892 Dec. 6.	BALD, FRANCIS ALOYSIUS ..
m † 1880 Apr. 6.	*BALDWIN, ARTHUR E. .. ..
1881 Jan. 8.	BALE, MANFRED POWIS .. ..
1892 Mar. 1.	*BALFOUR, DAVID, Jun. .. ..
1892 Dec. 6.	*BALL, BENJAMIN .. .. ..
m † 1892 May 24.	*BALL, JAMES BENJAMIN .. ..
1878 May 7.	BALL, JOHN BRAMLEY .. ..
1883 Dec. 4.	BALMOKAND, <i>Lala</i> .. .. ..
1874 Jan. 13.	{ *BAMBER, ARTHUR LLOYD COCH- RANE .. .. .. ..
1875 Dec. 7.	BAMBER, EDWARD FISHER ..
1892 May 24.	*BAMFORD, CHARLES FREDERICK
1891 Mar. 3.	{ BANDYOPADHYAY, KRISHNACH- ANDRA .. .. .. ..
1891 Apr. 7.	BANKS, CHARLES .. .. ..
1891 Jan. 13.	BANKS, EDWARD NEVILL ..
1891 May 5.	BANKS, JAMES WHITE, B.E. ..
1888 Dec. 4.	BANKS, JOHN .. .. ..
1890 May 20.	*BANKS, WALTER .. .. ..
1890 Feb. 4.	BANNISTER, MAUNSEL CASWELL
1877 Dec. 4.	BARBENSON, ROBT. THOS. OLLIVIER
1893 May 2.	BARBER, JAMES PATTEN .. ..
1884 Feb. 5.	BARCLAY, ARTHUR .. .. ..
1885 Dec. 1.	{ BARFIELD, SAMUEL GEORGE HERBERT, D.Sc. .. .. ..
1893 Feb. 7.	{ *BARIHAM, HUGH GARRATT FOSTER .. .. .. ..
1875 Jan. 12.	BARHAM, THOMAS .. .. ..
m † 1892 Dec. 6.	*BARKER, JOHN HENRY .. ..
1892 Mar. 1.	*BARKER, JOSEPH WILLIAM ..
1891 Dec. 1.	*BARKER, LÉON HARRY .. ..
1890 Mar. 4.	BARKER, RAYNER CHILDE, C.I.E.
1892 Dec. 6.	BARLING, IVAN COLLINGWOOD
1880 May 4.	BARLOW, EDWIN SYDNEY ..
1891 Feb. 3.	*BARNARD, HENRY CUTHBERT
1890 May 6.	*BARNARD, ROBT. CARY HENSLOW
1892 Dec. 6.	*BARNBY, REGINALD CLAYTON
1888 Dec. 4.	*BARNES, CHAS. ARTHUR ALBERT
1891 Feb. 3.	BARNES, ROBERT .. .. ..
1887 Dec. 6.	BARNES, ROBT. SAM'L. WEMYSS
1892 Dec. 6.	BARNES, SIDNEY WALTER JOHN
1884 Feb. 5.	BARNETT, CHARLES WILLIAM
1885 Feb. 3.	BARNETT, JOHN DAVIS .. ..
1874 Feb. 3.	BARRATT, HENRY .. .. ..
1887 Jan. 11.	BARRATT, JAMES .. .. ..
1886 Dec. 7.	BARRATT, THOMAS BLAMEY ..
1883 Dec. 4.	BARRETO, PROPICIO PEDROSO ..
1891 Dec. 1.	BARRETT, ERNEST JAMES ..
1886 Dec. 7.	BARRETT, SYDNEY RUSSELL ..
1879 Mar. 4.	BARRON, CHARLES .. .. ..
1876 Apr. 4.	BARRON, HENRY STRACEY ..
	Woodside, Rondebosch, Cape Town.
	Murray Lodge, Portobello, N.B.
	Rae-Bareli, Oudh, India. [Norwich.
	Holmes & Sons, Castle Meadow,
	{ Stoneleigh, Eastern Avenue, Read- ing. (Baker, Gas, Reading.)
	High Street, Slough. [Argentina.
	N. W. Ry., Casilla 106, Cordoba,
	Hargrave, St Neots, Hunts.
	19 Wharton Rd., W. Kensington, W.
	Ernesbrake, Southend.
	Appold Street, Finsbury, E.C.
	Myre Hall, Houghton-le-Spring.
	Middleton, Manchester.
	Burgoyne Rd., Harringay, N.
	Gasworks, Loughborough. [Lahore,
	<i>Lala</i> Shamba Dass, Said Mitha,
	Waresly Lodge, Cheltenham.
	62 Clarendon Road, W.
	Assam-Bengal Ry., Shillong, Assam.
	72 Russia Rd., Bhowanipur, Calcutta.
	Oamaru, New Zealand.
	10 Chichester St., Belfast.
	Rev. L. Scott, Denton, Manchester.
	Carlyle Ter., Great Lever, Bolton.
	20 Short St., Heaton Norris, Stockport.
	Holme Lea, Kirkby Park, Liverpool.
	Alderney, Channel Islands.
	Vestry Hall, Islington, N.
	3 Castle St. East, Oxford St., W.
	Ferro Carril del Sud, Buenos Ayres.
	Marycourt, Bridgwater.
	Sunnyside, Southbourne, Hants.
	Newburn Bridge, Ryton-on-Tyne.
	Cavendish Grove, Southampton.
	Bengal-Nagpur Ry., Jharsogra, India.
	Telegraph Dept., Quetta, Beluchistan.
	Dockyard, Liverpool.
	Waterworks Off., Town Hall, Brad- Wgrave, Clevdon. [ford.
	G. I. P. Ry., Bombay.
	Campbell & Co., Singapore, S.S.
	Asst. Colonial Surv., Acera, West
	King, King & Co., Bombay. [Africa.
	Victoria Club, Maritzburg, Natal.
	19 Denmark Road, Ealing, W. [S.S.
	Logan's Bldgs., Beech St., Penang,
	G. T. Ry., Stratford, Ont., Canada.
	85 New Street, Altrincham.
	Baxter & Saddler, Ry., Parkes, N.S.W.
	P.W.D., Perth, Western Australia.
	{ Comp. Alagoana de Fiaçâo Teeidos, Maceio, Brazil. [S.W.
	Boro' Surveyor's Office, Richmond,
	Gas Dept., Council Ho., Birmingham.
	{ Fraser & Duguid, 13 Bridge St., Aberdeen. [S.W.
	6 Bramfield Rd., Wandsworth Com.,

Date of Election.	ASSOCIATE MEMBERS.
1872 Dec. 3.	BARRON, WILLIAM ADAMSON ..
1884 Feb. 5.	{ BARROS, FELICIANO MENDES DE MESQUITA .. .. ..
1892 Dec. 6.	*BARROW, ARTHUR ROBERT ..
1887 Apr. 5.	*BARROW, WALTER DUNCAN ..
1889 Dec. 3.	*BARROWCLIFF, GEORGE HARRY
1889 Mar. 5.	*BARRY, HERET. ALFRED LUCAS
1890 May 20.	BARRY, WILLIAM FITZ-GERALD
1882 May 23.	BARTLETT, JAMES HERBERT ..
1884 Jan. 8.	BARTLETT, THOMAS WALTER ..
1865 May 23.	BARTON, JOHN .. .. ..
m 1884 Feb. 5.	*BASHALL, WILLIAM .. .. ..
1883 Feb. 6.	BASSETT, ALEXANDER BARKER
1887 Dec. 6.	*BASSETT, HERBERT STANHOPE
1886 Feb. 2.	BATCHELOR, CYRIL TALWORTH
1892 Mar. 1.	*BATCHEN, THOMAS MACKENZIE
1887 Feb. 1.	BATERDEN, JAMES RAE .. ..
1888 Dec. 4.	BATES, ONWARD .. .. ..
m 1882 Dec. 5.	*BATTEN, WILLIAM TOWNSHEND
1893 Apr. 11.	BATTERSBY, EDMUND .. ..
† 1873 Dec. 2.	BAUERMAN, HILARY .. ..
1885 Mar. 3.	*BAYER, CHARLES ALBERT ..
1890 Dec. 2.	BAYLEY, GEORGE HERBERT ..
1892 Feb. 2.	BAYLEY, WALTER FRANCIS ..
1884 May 6.	*BAYLIS, PERCY .. .. ..
1892 Apr. 5.	BAYLIS, THOMAS PHILIP .. ..
1883 May 29.	BAYLISS, GEORGE REGINALD ..
1884 Dec. 2.	BAYLISS, THOMAS RICHARD ..
1850 Apr. 2.	BAYNES, CHAS. CHRIS. CARLETON
1891 Apr. 7.	*BAYNES, JOSEPH HENRY .. ..
1892 Dec. 6.	*BEADLE, FRANK EDWARD ..
1886 May 18.	BEAHAN, JOHN CHARLES ..
1892 Mar. 1.	*BEAL, EDWIN JAMES .. ..
1890 May 20.	*BEALE, BERTRAM ROBERT, B.A.
1888 Jan. 10.	BEALE, HENRY FITZ GERALD
1874 Jan. 13.	{ *BEAMISH, GEO. HORATIO TOWNSHEND .. .. ..
1880 Mar. 2.	*BEAN, ALFRED WM. THOMAS
1886 May 18.	BEAN, JOHN STENNITT, Wh. Sc.
1885 Apr. 14.	BEAN, WILLIAM .. .. ..
1853 Dec. 6.	BEANES, EDWARD .. .. ..
1891 Feb. 3.	*BEAREBLOCK, CHAS. WM. JOHN
1883 Dec. 4.	*BEARDMORE, WILLIAM LEE ..
1892 Apr. 5.	BEATTIE, GEORGE .. .. ..
1887 Mar. 1.	*BEAUMONT, PERCY MUNRO ..
1891 Jan. 13.	BECHER, CHAS. FREDK., B.E.
1889 Dec. 3.	*BECHER, HARRY, B.A. .. ..
1883 May 29.	BECHER, HARRY MACDONALD ..
1893 May 16.	BECKETT, EDWARD HENRY ..
1885 Dec. 1.	*BECKETT, WILLIAM MARROW ..
1889 May 21.	BECKETT, WM. THOS. CLIFFORD
1890 Mar. 4.	*BECKH, HARRY OSCAR, M.A.
1872 May 7.	BECKINGSALE, EDGAR WILLIAM
1891 Feb. 3.	*BECKS, GEORGE ARTHUR ..
m 1886 May 4.	*BECKWITH, ARTHUR .. ..
1884 May 27.	BEDSON, JOSEPH PHILLIPS ..
1879 May 6.	*BEEMAN, JOSEPH SAMUEL ..
1882 Feb. 7.	*BEEVER, BERNULF WATSON ..
1887 Jan. 11.	*BELCHER, HUGH WALTER, B.A.
1891 Mar. 3.	BELFIELD, REGINALD .. ..
	26 Powis Sq., Kensington Park, W. Leopoldina Ry., Brazil.
	N. W. Ry., Quetta, India.
	II. S. King & Co., 65 Cornhill, E.C. Mill Street, Loughborough.
	{ Broad Street House, E.C. (Pintle, London, 2471.)
	Co. Surveyor's Office, Kilkenny.
	Middlesborough, Kentucky, U.S.
	Eastern Bengal S. Ry., Saidpur, India.
	76 Carlton Hill, St. John's Wd., N.W.
	21 Holland Villas Road, W. Cheverell, Llandaff.
	Ballygunner, Bournemonth.
	The Upper Cliffs, Penarth, Cardiff.
	6 Innes Street, Inverness, N.B.
	{ 54 Brighton Grove, Newcastle-on- Tyne. [U.S.
	Milwaukee & St. Paul Ry., Chicago, Corp'tn. Offs., Bury, Lancs. [E.C.
	Singapore Gas Co., 10 St. Mary Axe, Springfield Ho., Oaken, Wolverhampt'n.
	14 Cavendish Rd., Balham, S.W.
	Eng.-in-Chief's Off., Adelaide, S.
	Craybrow, Lymm, Cheshire. [Aust.
	1 Victoria Avenue, Hull.
	The Foundry, Chippenham, Wilts.
	City Surveyor's Office, Birmingham.
	56 Albert Rd., Longsight, M'inch's t'r. Belmont, Northfield, nr. Birmingham.
	2 South Hill Park Gardens, N.W.
	Maryborough, Queensland.
	Beaonwell, Belvedere, Kent.
	King, King & Co., Bombay.
	Southern Outfall, Crossness.
	Waltham St. Lawrence, Twyford.
	Grindlay, Groom & Co., Bombay.
	Spy Hill House, Queenstown, Cork.
	47 Prince's Square, W.
	L. & N. W. Ry., Crewe.
	Belmont, Haddington, Stamford.
	Moatlands, Paddock Wood, Kent.
	Royal Naval College, Greenwich, S.E.
	68 George Street, Edinburgh.
	Boro' Surveyor, Maldon, Essex.
	County Council, Spring Gardens, S.W.
	County Council, Spring Gardens, S.W.
	9 d'Almeida St., Singapore, S.S.
	Glen-en-lan, Blaenau, Festiniog.
	2 Cooper Street, Manchester.
	Bengal-Nagpur Ry., Umaria, India.
	Ferry Works, Thames Ditton.
	Westoe, Beaufort Rd., Surbiton.
	Clone, Court Rd., W. Norwood, S.E.
	Usk Paper Works, Crickhowell.
	Parkhurst, Middlesbrough.
	182 Earl's Court Road, S.W.
	9 Albert Square, Manchester.
	Bodium Vicarage, Hawkhurst, Kent.
	Westinghouse Co., 32 Victoria St., S.W.

Date of  
Election.

## ASSOCIATE MEMBERS.

1881 Dec. 6.	{ BELIN, AUGUSTUS ZACHARY CONSTANT .. .. .. .. } 11 Rua da Quitanda, Rio de Janeiro.
1881 Dec. 6.	BELL, GEORGE .. .. .. .. 6 Eaton Ter., Swansea.
1889 Jan. 8.	BELL, JOHN FERGUSON .. .. .. Gasworks, Stafford.
1886 May 18.	*BELL, ORIENT .. .. .. .. 129 Charlton Lane, Charlton, S.E.
1882 Dec. 5.	BELL, WILLIAM REID .. .. .. .. 204 St. Vincent St., Glasgow.
1893 May 2.	BELLACASA Y SANCHEZ, NARCISO PUIZ DE LA .. .. .. .. } Goya 8, Madrid.
1892 Dec. 6.	*BELLAMY, CHARLES VINCENT Jaffna, Ceylon.
1883 Mar. 6.	BELLAMY, HENRY FRANKLIN .. Selangore, Malay, S.S.
1880 Dec. 7.	*BELLASIS, EDWARD SKELTON Grindlays, 55 Parliament St., S.W.
1880 Feb. 3.	*BELLINGHAM, AUG. W. HARVEY Tientsin, China.
1880 Apr. 6.	BELTON, WILLIAM .. .. .. .. } Gas Light Company, Shrewsbury. (Belton, Shrewsbury.)
1885 Dec. 1.	BENEST, EDWD. BENEST SHAW Caixa 403, Rio de Janeiro.
1872 Apr. 9.	BENEST, JAMES SMYTH .. .. .. Grove Ho., Newmarket Rd., Norwich.
1893 Jan. 10.	*BENGough, CYRIL FRANCIS Urpeth, Chester-le-Street.
1891 Mar. 3.	*BENHAM, ARTHUR HOWARD .. 16 Grosvenor Gds., Willesden, N.W.
1881 Feb. 5.	*BENHAM, PERCY .. .. .. .. } 4 Albert Terrace, Regent's Park, N.W. (Benham, London. 7065.)
1882 Apr. 4.	BENNATON, NEWTON .. .. .. E.F.O.B., Cachoeira, São Paulo, Brazil.
1892 Dec. 6.	*BENNETT, GERALD WINZAR .. { Ship Canal, Acton Grange, War-
1885 Apr. 14.	BENNETT, HARRY JOHN TOLER rington. Woodville, Parsonstown, Ireland.
1889 Apr. 2.	BENNETT, JAMES BOWER .. 24 George Street, Edinburgh.
1875 Apr. 6.	BENNETT, JOHN .. .. .. .. 76 Drayton Gds., Kensington, S.W.
1889 Dec. 3.	BENNETT, THOMAS .. .. .. Local Board, Cheshunt.
† 1880 Dec. 7.	BENNETT, WM. BENJAMIN GEO. Borough Engineer, Southampton.
1885 Dec. 1.	BEN-SAUDE, JOAQUIM .. .. .. Travaux du Port, Lisbon, Portugal.
1881 Dec. 6.	BENSON, CHRISTIAN .. .. .. } T. W. Pollard, London & Brazilian Bank, Buenos Ayres.
1886 Apr. 6.	*BENSON, DAVIS EDMONDSON Queenwood, Mulberry St., Southport.
1887 Dec. 6.	*BENSON, JOHN JAMES BOURNE State Eng., Porbandar, India.
1889 Dec. 3.	*BENT, BALDWIN HARRY, B.A. Carenero Ry., Rio Chico, Venezuela.
1891 Dec. 1.	BERG, JOHAN ERNST .. .. .. N. W. Ry., Córdoba, Argentina.
1892 Jan. 12.	BERG, SIGVARD JOHNSON .. Goschenen, Switzerland.
1891 Mar. 3.	BERKLEY, MICHAEL GRAHAM King, King & Co., Bombay.
1883 Dec. 4.	BERRIDGE, ROBERT .. .. .. Brougham Chambers, Nottingham.
† 1885 Dec. 1.	{ BERRINGTON, RICHARD EVANS Graiseley House, Wolverhampton.
1891 Dec. 1.	WILLOUGHBY .. .. .. .. Wellington Rd., Eccles, Manchester.
1891 Apr. 7.	*BERTLIN, ANTHONY .. .. .. Hay, Breconshire.
1890 Feb. 4.	BESANT, FREDERICK WILLIAM Chilbridge, nr. Wimborne.
1882 May 2.	*BEST, CHARLES WILLIAM .. .. .. } 10 Victoria St., S.W. (Nomizo, Lou-
1886 May 18.	*BEST, HARRY ROBERTSON .. .. .. .. don. 3095.)
1884 May 6.	*BESTIC, WILLIAM BRERETON Srinagar, Kashmir, India.
1888 May 15.	BESWICK, WILLIAM HENRY .. Local Board, Exmouth.
1880 Dec. 7.	BETTS, EDWARD PETO .. .. .. Beechhurst, Camberley, Surrey.
1888 Dec. 4.	BEVERIDGE, JOHN .. .. .. Water Supply Dept., Sydney, N.S.W.
1882 Feb. 7.	*BEWICK, THOMAS BURRELL.. Broad Street House, E.C.
1882 Mar. 7.	BEWLEY, HUBERT .. .. .. Spring Hill, Birmingham.
1889 Dec. 3.	Bews, WALTER ANSTRUTHER Queen St., Ashby, Geelong, Victoria.
1877 Mar. 6.	*BEYNON, GEORGE WILLIAM G. W. Ry., Reading.
1892 Jan. 12.	BEYNON, JOHN COWELL STARK P.O. Box 1364, Johannesburg, Trans-
1886 May 18.	BHADA, NASARVANJI DORABJI Tansa Waterworks, Bombay. [vaal.
1882 Mar. 7.	{ BICKERTON, CHARLES HOWARD W. Watson & Co., Bombay.
1875 Feb. 2.	COTTON .. .. .. .. } 8 Rue de Sannois, Cormeilles-en-Paris, Seine et Oise, France.
† 1887 Dec. 6.	BIGGART, ANDREW STEVENSON Baltic House, Bridgeton, Glasgow.
1887 Dec. 6.	BIGLEY, THOMAS MOYLES .. 19 Castle St., L'pool. (Bigley, L'pool.)
1892 Dec. 6.	*BILL, HERBERT EDWARD .. Truman's Brewery, Spitalfields, E.
1892 Mar. 1.	BILTON, HENRY JOHN INWOOD Ry. Dept., Melbourne, Victoria.

Date of  
Election.

## ASSOCIATE MEMBERS.

1888 Dec.	4.	BINET, EDWARD PHILIP ..	..	6 Great Winchester Street, E.C.
1892 Dec.	6.	*BINNIE, WM. JAS. EAMES, B.A.	..	8 Brewery St., Chesterfield.
1857 Feb.	3.	BINNS, WILLIAM ..	..	Lake, Isle of Wight.
1875 Feb.	2.	BIRAM, BENJAMIN ..	..	Pensley Cross Collieries, St. Helens.
1884 Feb.	5.	*BIRCH, EDWARD ROBERT, B.E.	..	Coream, Stranorlar, co. Donegal.
1885 Dec.	1.	*BIRD, FRANCIS TREVOR ..	..	S. Mahratta Ry., Bangalore, India.
1881 Dec.	6.	BIRD, GEORGE ROWLAND ..	..	Ex. Eng., P.W.D., Allahabad, India.
1883 Feb.	6.	BIRD, HUGH WM. STONEHEWER	..	F. C. del Sud, Buenos Ayres.
1883 May 29.	*	BIRD, WILLIAM HENRY ..	..	Eng.'s Off., G.E Ry., L'pool St., E.C.
1843 Mar.	7.	BIRKBECK, GEORGE HENRY ..	..	16 Primrose Hill Road, N.W. [N.W.
1883 Apr.	3.	*BIRKETT, ROBERT ..	..	2 Winchester Av., Willesden Lane,
1882 Apr.	4.	BIRKINSHAW, ARTHUR HENRY	..	H. S. King & Co., 45 Pall Mall, S.W.
1892 Dec.	6.	BIRNIE, NORMAN ..	..	Ry. Dept., Melbourne, Victoria.
1890 Dec.	2.	*BIRT, RAYMOND JOHN ..	..	20 Belsize Grove, Hampstead, N.W.
1892 Dec.	6.	*BISS, CYRIL HOLM ..	..	Ry. Dept., Wellington, N. Z.
1875 May	4.	BLABER, CHARLES OLIVER ..	..	64 Ship Street, Brighton.
1877 Jan. 16.	..	BLACKBOURN, HENRY ..	..	74 Gauden Rd., Clapham, S.W.
1885 Apr. 14.	*	BLACKBURN, CHARLES HENRY	..	Rawal Pindi, India.
1883 Feb.	6.	*BLACKBURN, EDWARD HERBERT	..	Waterworks, Kettering.
1890 May	6.	BLACKBURN, JOHN ..	..	Colne Valley Waterworks, Bushey.
1893 May	2.	*BLACKER, JOHN RICHARD ..	..	Bobadilla Ry., Algeciras, Spain.
1881 Dec.	6.	BLACKETT, JAMES WILLIAM ..	..	2 Edinburgh Mansions, Victoria St.,
1883 Feb.	6.	*BLACKMORE, GEO. FREDERICK	..	Coal Co., Grape Creek, Ill., U.S. [S.W.
1888 Dec.	4.	BLACKSHAW, WILLIAM ..	..	Boro' Surveyor, Stafford.
1874 Apr. 14.	..	BLACKWELL, CHARLES ..	..	Mount Look-out, Cincinnati, U.S.
1879 Feb. 4.	..	BLACKWELL, LOUIS BUCKLAND	..	Coal & Coke Co., Culver Bullen, N.S.W.
1889 Jan.	8.	BLAINE, ROBERT GORDON, M.E.	..	2 Addison Rd., Wanstead, E.
1889 Jan.	8.	*BLAIR, GEORGE, JUN. ..	..	4 Kinnoul Pl., Downhill, Glasgow.
1878 Apr. 2.	..	BLAIR, JAMES MACLELLAN ..	..	Clutha Ironworks, Glasgow.
1884 Feb. 5.	*	BLAIR, WILLIAM NISBET ..	..	Vestry Hall, St. Pancras Rd., N.W.
1890 Apr. 1.	..	BLAKE, GEORGE BENJAMIN ..	..	Shire Hall, Jeetho, Victoria.
1869 Mar. 2.	*	BLAKE, JOHN HOPWOOD ..	..	Tower Ho., Wokingham Rd., Reading.
1881 Feb. 1.	..	BLAKESLEY, JN. HOLMES, M.A.	..	39 Victoria Street, S.W.
1882 Jan. 10.	..	BLANDY, JNO. EDWD. AUG. JNKNS.	..	3 Greg Terrace, Reddish, Stockport.
1869 Dec. 7.	..	BLAXLAND, GEORGE ..	..	Gillingham House, nr. Chatham.
1887 May 24.	..	BLIZARD, JOHN HENRY ..	..	Lansdowne House, Southampton.
1887 Apr. 5.	*	BLOMFIELD, HAROLD ARTHUR	..	Waterworks, Moss Vale, N.S.W.
1886 Jan. 12.	*	BLONFIELD, VAL. JOHN STUART	..	Rds. and Bdgs. Dept., Sydney, N.S.W.
1877 Dec. 4.	..	BLOXSON, MARTIN, B.A. ..	..	Eng.'s Off., L. & Y. Ry., Manchester.
1887 Mar. 1.	..	BLUE, JOHN ALEXANDER CRAIG	..	37 Great George Street, S.W.
1887 Feb. 1.	*	BLUETT, FREDERICK ..	..	2 Penlee View Terrace, Penzance.
1884 May 27.	..	BLUM, ALEXANDER SAMUEL ..	..	51 New Bond Street, W.
1886 Jan. 12.	..	BLUNDELL, HARRY ..	..	M. S. & L. Ry., Manchester.
1887 Dec. 6.	*	BOAKE, JOHN FULLER ..	..	Caixa 62, Rio Grande, Brazil.
1883 Mar. 6.	*	BOASE, JAMES TREMBATH ..	..	P.W.D., Lahore, Punjab.
1891 Apr. 7.	..	BOATH, ROBERT ..	..	31 Nelson St., Edinburgh.
1889 Dec. 3.	..	BOBY, WILLIAM ..	..	16 Union Court, Old Broad St., E.C.
1879 May 27.	*	BODMER, GEORGE RUDOLPH ..	..	30 Walbrook, E.C.
1892 May 24.	*	BODY, JOHN BENJAMIN ..	..	Apartado 440, Mexico City.
1882 Dec. 5.	..	BOGER, JOHN RICHARD ..	..	W. Middlesex Waterworks. Regent's
1877 Dec. 4.	..	BOLD, EDWARD HENRY ..	..	P. W. D., Napier, N.Z. [Pk., N.W.
1891 Dec. 1.	*	BOLTON, REGINALD PELHAM ..	..	110 Leadenhall St., E.C. (Boltonite,
1885 Jan. 13.	..	BONAR, DAVID ..	..	3 Old St., St. Luke's, E.C. [London.]
1879 Feb. 4.	*	BOND, CECIL PHILIP WILLIAM	..	27 Leadenhall St., E.C.
1889 Dec. 3.	..	BOND, GEORGE CRESWELL ..	..	Aspley House, Nottingham.
1891 Jan. 13.	..	BOND, HORACE SAMUEL ..	..	1 Rydal Mount, Rose Hill St., Derby
1891 Mar. 3.	..	BOND, WALTER ..	..	Boro' Surveyor's Office, Swansea.
1884 Feb. 5.	{	BONN, CARL RODERIQUE LOUIS	..	160 Hope Street, Glasgow.
	{	MENNI ..	..	
1866 Dec. 4.	..	BONNYN, WILLIAM WINGFIELD	..	14 Victoria Street, S.W.
1876 Dec. 5.	..	BORRADAILE, ARTHUR FREDK.	..	Saltburn-by-the-Sea.
1891 Feb. 3.	{	*BORROWMAN, WM. CAMERON,	..	53 Bentinck St., Glasgow.
	{	Wh. Sc. ..	..	

Date of  
Election.

## ASSOCIATE MEMBERS.

T t ♫	1893 Mar. 7.	*BOSMAN, WALTER .. .. ..	Govt. Rys., Maritzburg, Natal.
	1886 Dec. 7.	*BOTHAMS, ALFRED CHAMPNEY ..	51 Silver Street, Salisbury.
	1877 Feb. 6.	BOTLEY, CHARLES EDWARD ..	Gasworks, Hastings.
	1892 Dec. 6.	*BOTTLE, FRANK WALKER ..	Horodon, Morland Rd., Croydon.
	1890 Dec. 2.	BOUCHER, ARTHUR SACKVILLE ..	P. O. Box 832, Johannesburg, Transvaal.
	1879 May 27.	BOULT, WILFRID SWANWICK ..	24 King's Mount, Birkenhead. [vaal.
	1884 Dec. 2	*BOULTON, JAMES FETTES ..	Praya Reclamation Wks., Hong Kong.
	1888 May 15.	BOURCHIER, EDWARD HERBERT ..	32 Great George Street, S.W.
	1883 Feb. 6.	{ *BOURKE, PALMER AUGUSTUS, B.E. .. .. .. .. ..	Ammunition Factory, Streetly, Sutton Coldfield.
	1886 Jan. 12.	*BOURKE, WALTER LONGLEY ..	Worsley Old Hall, nr. Manchester.
†	1884 Mar. 4.	*BOURNE, JAMES JOHNSTONE ..	Abberley, Wallington, Surrey.
	1877 Dec. 4.	BOURNE, ROBERT WILLIAM ..	18 Hereford Sq., S.W.; and Liverpool.
	1890 Feb. 4.	*BOURNE, THOMAS JOHNSTONE ..	Govt. Rys., Tientsin, China.
	1873 May 6.	BOURNE, WILLIAM TEMPLE ..	Sebright Lawn, Lon.Bdgs., Worcester.
	1892 May 21.	*BOWDAGE, HENRY CURREY ..	China Ry. Co., Tientsin, No. China.
	1893 Jan. 10.	BOWDEN, FREDK. WILLIAM ..	Public Offices, Grassendale, L'vpool.
	1893 Apr. 11.	BOWDEN, HENRY WHITE ..	46 Werter Rd., Putney, S.W.
	1881 Apr. 5.	BOWEN, JOHN .. .. .. ..	Frogmoor Ho., High Wycombe, Bucks.
	1890 Dec. 2.	BOWEN-JONES, WILLIAM THOS.	Cintra, St. David's Rd., Carnarvon.
	1889 Dec. 3.	BOWER, THOMAS .. .. ..	Ribble House, West Hartlepool.
‡	1891 Dec. 1.	BOWES, ARTHUR .. .. ..	Boro' Eng.'s Off., Town Hall, Salford.
	1893 Mar. 7.	BOWLES, AUGUSTUS ROBERT ..	Town Hall, Buckingham.
	1882 Apr. 4.	*BOYCE, HENRY GEORGE, F.C.H.	Watson & Co., 27 Leadenhall St., E.C.
	1877 Dec. 4.	BOYDELL, JAS. EDWD. NEVILLE ..	State Ry., Chak-Nizam, Punjab.
	1880 Dec. 7.	BOYLAN, JOHN .. .. ..	Colonial Bk. Blgs., Auckland, N.Z.
	1889 Apr. 2.	*BOYS, JOHN WILLIAM TOWNSEND ..	D.P.W., Sewerage Branch, Sydney,
	1890 Jan. 14.	BRACE, WILLIAM HENRY ..	P.W.D., Klang, Selangore, S.S. [N.S.W
	1893 Feb. 7.	{ *BRADFIELD, JOHN JOB CREW, B.E. .. .. .. .. ..	Roads and Bridges Dept., Sydney,
	1889 Jan. 8.	*BRADFORD, HUGH MELLER ..	N.S.W.
	1893 Feb. 7.	*BRADLEY, ARTHUR WALTER ..	Dowlais Ironworks, Glamorgan.
†	1883 May 29.	BRADY, ALFRED PARTON ..	Boro' Eng.'s Office, Bury, Lanes.
	1892 May 24.	*BRADY, CHARLES ROBERT ..	D.P.W., Bridges, Brisbane, Queens-
	1888 Mar. 6.	{ BRAGA, ANTONIO LUSTOZA, PEREIRA .. .. .. .. ..	Aldsworth, Stockport. [land.
	1892 May 3.	*BRAGG, JAMES WOOD, B.A. ..	P.O. Box 642, Rio de Janeiro.
	1891 May 5.	BRAIN, FRANCIS WILLIAM THOS.	58 Pitt Street, Sydney, N.S.W.
	1884 Dec. 2.	BRAMAH, EDWARD HENRY ..	Trafalgar House, Drybrook, Glos.
	1883 Dec. 4.	BRAMHAM, WILLIAM .. ..	2 Berlin Pl., Pollokshields, Glasgow.
	1864 May 24.	BRANFILL, JOHN ARTHUR CAPEL ..	115 Bow Road, E.
	1863 Jan. 13.	BRASSINGTON, JOHN WATTS ..	25 Rosendale Rd., W. Dulwich, S.E.
	1883 May 29.	*BREBNER, ALAN, B.Sc. ..	17 Gloucester Walk, Campden Hill,
T t M ♫	1880 Feb. 3.	*BREBNER, ROBERT CHARLES ..	176 Rue Lafayette, Paris. [W.
	1890 Mar. 4.	*BREMNER, ALEXANDER .. ..	5 So. Morningside Drive, Edinburgh.
	1874 May 5.	BRENAN, GEORGE WOULFE ..	26 Fountain Street, Hull.
	1888 Dec. 4.	*BRENCHLEY, JOHN VAUGHAN ..	Aryll Square, Oban, N.B.
	1891 Dec. 1.	BRERETON, LEONARD .. ..	F. C. de Veracruz, Alvarado, Mexico.
	1885 Apr. 14.	*BREWER, FRANK, Jun. .. ..	Govt. Rys., Ladysmith, Natal.
	1891 May 12.	BREWER, JOHN WILLIAMS ..	44 Broadway, New York, U.S.
	1883 May 1.	BREWSTER, EDWIN HENRY GEO.	Taff Vale Ry., Cardiff.
	1879 Feb. 4.	*BRICE, EDWARD ERNEST .. ..	12 Delahay St., Westminster, S.W.
	1886 Mar. 2.	*BRICKNELL, FREDERICK WM. ..	Ry. Construction Dept., Sydney,
‡	1892 May 3.	BRIDGES, JN. DOUGLAS ORMOND ..	N.S.W.
	1891 Jan. 13.	*BRIDGEWATER, HENRY JOHN ..	Borough Engineer's Office, Hull.
	1877 Apr. 10.	BRIFFAULT, FREDERIC .. ..	F. C. Central, Victoria, Argentina.
	1884 Dec. 2.	BRIGDEN, JAMES .. .. ..	L. & N. W. Ry., Marsden, Yorks.
	1891 Dec. 1.	BRIGGS, CHARLES .. .. ..	6 Cathcart Rd., Kensington, S.W.
	1881 Dec. 6.	BRIGGS, JOHN HENRY .. ..	187 Western Road, Brighton. (37.)
	1889 Mar. 5.	*BRIGHT, CHARLES .. .. ..	Grindlay, Groom & Co., Bombay.
	1889 Jan. 8.	*BRIGHT, PHILIP .. .. ..	101 Grosvenor Road, S.W.
	1889 Dec. 3.	*BRIGHTMORE, AR. WM., M.Sc. ..	Telegraph Works, Silvertown, E.
			2 Newgate Street, E.C.
m ♫			J. Mansergh, 5 Victoria St., S.W.

Date of Election.	ASSOCIATE MEMBERS.	
1886 Jan. 12.	*BRINCKMAN, WILLIAM HENRY	Glan y Bala, Llanberis, N. Wales.
1886 Apr. 6.	*BRINE, ERNEST AUGUSTUS ..	Pott Lonis, Mauritius.
1892 Dec. 6.	BRITAIN, SAMUEL GEORGE ..	Ry., Algeciras, Spain.
m 1880 Mar. 2.	*BRITTON, PERCY WILSON ..	30 St. Mary's Rd., Peckham, S.E.
1890 Jan. 14.	BRODIE, JOHN ALEX., Wh. Sc.	3 Cook Street, Liverpool.
1886 Dec. 7.	*BRODIE, JOHN SHANKS ..	Town Hall, Whitehaven.
1886 Dec. 7.	*BRODIE, ROBERT ..	Claymore Villa, Aberfoyle, N.B.
1877 May 29.	*BRODIE, WILLIAM PATRICK ..	Delhi, Punjab.
1884 Jan. 8.	BROOKE, WALTER ..	Horn's Oak Ho., Meopham, Kent.
1891 Dec. 1.	*BROOKS, ALBERT ..	107 Strand, W.C. [N.S.W.]
1891 May 12.	*BROOKS, ALFRED ..	T. W. Keele, Ballina, R'lmont Riv'r,
1890 May 6.	BROOKS-KING, REGINALD ..	The Elms, Monmouth.
1889 May 21.	*BROUGH, JOHN WATKINS ..	(North's Portland Cement Works, Oostmalle, Belgium.
1882 May 23.	BROUGHTON, THOMAS ..	Sherborne, Cheltenham.
m 1883 May 1.	*BROUGHTON, URBAN HANLON ..	72 Commerce Building, Chicago, U.S.
1885 Dec. 1.	*BROUNGER, SYDNEY GEORGE ..	c.o.Agent, Midland Ry., Bhopal, India.
1883 Dec. 4.	BROWN, ARTHUR CARDWELL ..	Northern Ry., Buenos Ayres.
1891 Feb. 3.	BROWN, ARTHUR CROMPTON ..	Pearson & Son, Chesterfield.
1886 Feb. 2.	BROWN, ARTHUR EDWARD ..	Govt. Rys., Colombo, Ceylon.
1888 Jan. 10.	BROWN, ARTHUR GEORGE ..	Murtoa, Victoria.
1885 Dec. 1.	*BROWN, ARTHUR KAYE ..	Torcross, Kingsbridge.
1890 Apr. 1.	*BROWN, ARTHUR RICHARD ..	75 Mark Lane, E.C.
1884 Feb. 5.	BROWN, CHARLES EDWIN ..	226 Kennington Park Rd., S.E.
1887 Mar. 1.	BROWN, EDWARD JOHNSON ..	Laguna, Sta. Catharina, Brazil.
1883 Dec. 4.	*BROWN, FREDERICK BENJAMIN ..	S. Brown, 37 Wardour Street, W.
1879 May 27.	BROWN, FREDERICK LATHAM ..	Fern Bank, Beckenham, Kent.
1882 Dec. 5.	*BROWN, GEO. CECIL HERBERT ..	64 Belsize Park, N.W.
1877 Dec. 4.	*BROWN, GEORGE VAUGHAN ..	{ Wells & Co., 12 North Street, West-
1882 May 23.	BROWN, GEORGE WILLIAM ..	minster, S.W. (Moorings, London.)
1877 Apr. 10.	BROWN, JOHN THOMAS ..	Huntley, Boorne & Stevens, Reading.
1889 Dec. 3.	BROWN, JOSEPH WILLIAM ..	Ulverstone, The Leven, Tasmania.
1892 Feb. 2.	*BROWN, PETER BOSWELL ..	Boro' Engineer, West Hartlepool.
1880 Apr. 6.	BROWN PHILIP HENRY ..	Hecla Works, Sheffield.
1877 Dec. 4.	BROWN, THOMAS COMMON ..	Coconada, Madras.
1875 Feb. 2.	BROWN, WILLIAM JOSEPH ..	147 Woodbridge Road, Ipswich.
1889 Apr. 2.	BROWNE, JOHN ..	101 Grosvenor Road, S.W.
1880 Dec. 7.	BROWNE, JOSEPH JOHN ..	Galdames Ry., Portugalete, Spain.
1889 Dec. 3.	BROWNE, WILLIAM BUTLER ..	Calle de Valencia 372, Barcelona.
1889 Dec. 3.	BROWNING, ROBT. ALEXANDER ..	Reconquista, Santa Fé, Argentina.
1887 Jan. 11.	*BROWNridge, CHARLES ..	Gasworks, Neath.
† 1882 Dec. 5.	BRUCE, ALEXANDER FAIRLIE ..	Boro' Engineer, Birkenhead.
1891 Feb. 3.	BRUCE, BENJAMIN JOHN ELDER ..	Waterworks, John St., Glasgow.
m 1879 Mar. 4.	*BRUCE, GEORGE BARCLAY ..	Waterworks, Town Hall, Hull. [E.C.
1892 Feb. 2.	BRUCE, HENRY ..	Suffolk Ho., Laurence Pountney Hill,
1888 Apr. 10.	{ *BRUCE, ROBERT NIGEL DAL- RYMPLE ..	20 Bonnygate, Cupar, Fife, N.B.
1884 Mar. 4.	*BRUGES, CHARLES ERNEST ..	River Dou Works, Sheffield.
1886 Apr. 6.	*BRUNDELL, HENRY AUGUSTUS ..	1 Victoria Street, S.W.
1868 Dec. 1.	BRUNDELL, RICHARD SHAW ..	13 Avenue Road, Doncaster.
1889 Apr. 2.	BRUNDRETT, ALEXANDER ..	Redholm, Thorn Rd., Doncaster
1885 May 19.	*BRUNLEES, HOWARD ..	Rhymney Iron Co., Rhymney, Mon.
1884 Jan. 8.	*BRUNTON, JAMES FORREST ..	12 Victoria Street, S.W.
1886 May 4.	BRUNTON, PHILIP GEORGE ..	Tramway Co., Karachi, India.
1889 Feb. 5.	*BRUNTON, SYDNEY LINTON ..	Roads & Bridges Dept., Sydney,
1887 May 24.	BRUSH, FRANCIS SAMUEL ..	Are Works, Chelmsford. [N.S.W.]
1891 May 12.	*BRYANT, ERNEST WALROND ..	Wilgah, St. Kilda, Victoria.
1892 Dec. 6.	*BRYDGES, JOHN KEMPE ..	65 Grosvenor Street, W. [U.S.]
1883 Feb. 6.	*BUCHAN, JOHN ..	General Electric Co., Boston, Mass.,
1891 Feb. 3.	*BUCHANAN, GEO. CUNNINGHAM ..	City Engineer, Norwich.
1884 Dec. 2.	BUCHANAN, JAMES BEAUMONT ..	c.o. Colonial Secretary, Jamaica.
1890 Jan. 14.	*BUCHANAN, JOHN BLAIR ..	Chadragat, Hyderabad, India.
		G. N. Scotland Ry., Aberdeen.

Date of  
Election.

## ASSOCIATE MEMBERS.

1888 Mar. 6.	*BUCHANAN, KENNETH HUGH		Crompton Co., 42 Margaret Street, Sydney, N.S.W.
1890 May 20.	BUDD, GEORGE WILLIAM ..	..	127 Long Acre, W.C.
1890 Feb. 4.	BUDIBHATTI, KESHAVJI SHAMJI		Ex. Eng., Bhuj, Cutch, India.
1888 May 15.	*BULL, HARRY FREESTONE ..	..	County Surveyor's Office, Chester.
1881 Dec. 6.	BULL, JAMES .. .. ..	..	Valverde, Eaton Gdns., W. Brighton.
1876 Mar. 7.	BULL, WILLIAM .. .. ..	..	Pembroke Ho., Oxford Rd., Redhill.
1885 Dec. 1.	BULLOCK, CYRUS, Wh. Sc. ..	..	67 King Street, Manchester.
1887 Mar. 1.	BULLOCK, FRANK ..	..	150 Leadenhall Street, E.C.
1885 May 19.	BULLOUGH, ROBERT CROSSLEY ..	..	The Hey, Marsden, Huddersfield.
1890 Dec. 2.	BULLOUGH, THOMAS ALLEN ..	..	50 Peel Ho. La., Farnworth, Widnes.
1890 Feb. 4.	BULMER, GEORGE HARLEY ..	..	Baza, Granada, Spain.
1891 Dec. 1.	*BULTEEL, HILLERSDEN ..	..	Naval Bank, Plymouth.
1883 Dec. 4.	*BUNNING, CHARLES ZIETHEN ..	..	{ Borax Co., 2 Macri Khan, Con- stantinople. [Warrington.
1886 Apr. 6.	BURCH, WILLIAM .. .. ..	..	Ship Canal, Acton Grange, near
1891 Apr. 7.	BURDEN, ALEX. MITCHELL, B.E.		Sir W. MacCormac, 13 Harley St., W.
1874 Jan. 13.	*BURDER, WALTER CHAPMAN ..		Horticultural Wks., Loughborough.
1891 Dec. 1.	*BURDETT, GEORGE THOMAS ..	..	High Street, Spalding.
1892 Apr. 5.	*BURGESS, ARTHUR JOHN ..	..	20 Chesterfield Rd., St. Andrews, Bris-
1875 May 4.	BURGESS, JOHN .. .. ..	..	Halifax Old Rd., Huddersfield. [tol.
1888 Dec. 4.	*BURGESS, SAMUEL EDWIN ..	..	Boro' Surveyor, Banbury. [N.S.W.
1888 May 15.	BURGH, ERNEST MACARTNEY DE		Roads & Bridges Dept., Sydney,
1888 Dec. 4.	BURMAN, ERNEST SYDNEY ..	..	Town Hall, Melbourne, Victoria.
m † 1881 May 31.	*BURNET, LINDSAY .. .. ..	..	{ Moore Park Works, Govan, Glasgow. ( Buren, Glasgow. 1513.)
1886 Dec. 7.	BURNETT, JAMES .. .. ..	..	Christchurch, N.Z.
1886 Apr. 6.	*BURRELL, LEONARD ..	..	37 Rua Santa Luzia, Rio de Janeiro.
1893 Apr. 11.	BURROW, WILLIAM FREDERICK ..		Roads & Bridges Dept., Sydney,
1892 Dec. 6.	BURSTALL, HY. FRED. WM., Wh. Sc.	..	76 King's Road, N.W. [N.S.W.
1888 Dec. 4.	*BURSTALL, HY. ROBT. JN., Wh. Sc.	..	76 King's Road, N.W.
1885 May 19.	BURT, ARTHUR HAZELDEIN ..	..	109 Philip St., Sydney, N.S.W.
1883 May 29.	*BURT, HENRY PAIRSON ..	..	Assist. Secy., P.W.D., Simla, India.
1875 Feb. 2.	BURTON, CHARLES .. .. ..	..	Santa Cruz, Bolivia, via Panama.
1888 Dec. 4.	BURTON, CLERKE .. .. ..	..	Burghill, Charlton Kings, Chelten-
1890 Dec. 2.	*BURTON, EDWARD, B.A. ..	..	6 Gerald Rd., Oxtou, Cheshire. [ham.
1885 Dec. 1.	*BURTON, GEORGE LEWIS ..	..	19 Castle Street, Liverpool.
† 1891 May 5.	BURTON, Prof. WM. KINNINMOND		Engineering College, Tokio, Japan.
1887 Apr. 5.	*BURY, OLIVER ROBERT HAWKE ..	..	Gt. Western Ry., Pernambuco.
1881 May 31.	BUSK, CHARLES WESTLY, M.A.		P.O., Box 316, Victoria, Br. Columbia.
1888 Jan. 10.	*BUTLER, ARTHUR HENRY WHYTE ..	..	Ry., Barranquilla, U.S. Colombia.
1884 Feb. 5.	BUTLER, JAMES .. .. ..	..	Rose Villa, Avenue Rd., Leamington.
1881 Dec. 6.	*BUTLER, JAMES SAMUEL ..	..	Brown St., Hamilton, Victoria.
† 1885 Apr. 14.	BUTLER, MATTHEW JOSEPH ..	..	K. N. & W. Ry., Napanee, Canada.
1874 May 5.	BUTLER, WILLIAM FREDERIC ..	..	Cae Bryn, Wrexham.
1888 Dec. 4.	BUTLER, Prof. WM. ROBT., M.E.	..	King's Coll., Windsor, Nova Scotia.
1881 Dec. 6.	BUTT, HENRY WILLIAM ..	..	9 St. Thomas's St., Borough, S.E.
1888 Dec. 4.	BUTTON, FRED SMITH ..	..	13 Palatine Square, Burnley.
1887 Apr. 5.	*BYNG, EDMUND HENRY ..	..	4 Tokenhouse Buildings, E.C.
1889 Dec. 3.	BYRES, DAVID THOMSON ..	..	172 Bonaccord St., Aberdeen.

1877 Dec. 4.	CABEZAS, ADOLFO GARCIA ..	..	Matagorda Graving Dk. Works, Cadiz.
1889 Jan. 8.	CABLE, HENRY DARLINGTON ..	..	11 Blatchington Rd., Hove, Brighton.
1892 Dec. 6.	*CACCIA, JULIAN EDWARD ..	..	24 Via Gino Capponi, Florence.
1882 May 2.	*CAFFIN, FRANCIS CRAWFORD ..	..	Broadway, Worcestershire.
1890 May 20.	*CAFFIN, HERBERT ALEXANDER ..	..	Broadway, Worcestershire.
1886 Dec. 7.	CAIRNCROSS, THOMAS WILSON ..	..	City Engineer, Cape Town, C.C.
1891 Apr. 7.	*CAIRNES, FREDERICK EVELYN ..	..	28 Burney St., Greenwich, S.E.
1891 Dec. 1.	CALDICOTT, ALFRED ERNEST ..	..	P.W.D., Negombo, Ceylon.
1883 Dec. 4.	*CALDICOTT, HARVEY ..	..	P.W.D., Sungei Ujong, S.S.

Date of Election.	ASSOCIATE MEMBERS.			
1887 May 24.	CALLAN, NICHOLAS .. .. ..	Inhohlo, São Jeronymo, Parana, Brazil.		
1892 Dec. 6.	CALLAWAY, HUGH .. .. ..	India General Steam Navigation Co.,		
1884 May 6.	CALCOTT, JOHN HOPE .. .. ..	Penang, S.S. [Calcutta.]		
1886 Dec. 7.	CALLEN, THOMAS .. .. ..	Kimberley, C.C.		
1885 Apr. 14.	CAMERON, JAMES .. .. ..	116 North Frederick St., Glasgow.		
1891 Dec. 1.	{CAMERON, WILLIAM LOCHIEL SAIPE LOVETT .. .. ..}	Ex. Eng., Satara, Bombay.		
1887 Dec. 6.	*CAMPBELL, ADAM HORSBURGH .. .. ..	Boro' Surveyor, Stratford-on-Avon.		
1885 Apr. 14.	CAMPBELL, ALBERT JOHNSTONE .. .. ..	Cadena 11, City of Mexico.		
1880 Dec. 7.	CAMPBELL, CHARLES .. .. ..	Woolbowin, Brisbane, Queensland.		
1885 Dec. 1.	*CAMPBELL, DANIEL, Jun. .. .. ..	Entre Ríos Ry., Parana, Argentina.		
1886 May 4.	CAMPBELL, GEORGE MURRAY .. .. ..	Kuala Lumpor, Selangore, S.S.		
1880 Mar. 2.	CAMPBELL, GEORGE STEPHENSON .. .. ..	Mrs. Robinson, Staveley, Chesterfield.		
1887 Apr. 5.	CAMPBELL, KENNETH FINDLATER .. .. ..	Boro' Engineer, Stockton-on-Tees.		
1883 Dec. 4.	CAMPBELL, ROBERT LEWIS .. .. ..	King, Hamilton & Co., Calcutta.		
1886 Mar. 2.	CAMPBELL, WALTER HOPE .. .. ..	{Egerton, Hubbard & Co., St. Peters- burg.		
1875 Apr. 6.	*CAMPBELL, WILLIAM DUGALD .. .. ..	Board of Water Supply, Pitt St.,		
1888 Apr. 10.	*CAMPION, ROBERT WILLIAM .. .. ..	G.I.P. Ry., Bombay. [Sydney, N.S.W.]		
1892 Apr. 5.	CANBY, THOMAS .. .. ..	L. & N. W. Ry., Walsall.		
1889 Feb. 5.	CANDLER, THOMAS EDWARD .. .. ..			
1878 Feb. 5.	CANET, GUSTAVE ADOLPHE .. .. ..	3 Rue Vignon, Paris. [Mon.]		
1886 Jan. 12.	CANNING, THOMAS .. .. ..	Aragon Ho., Clytha Park, Newport,		
m † 1890 Jan. 14.	*CAPPER, Prof. DAVID SING, M.A. .. .. ..	King's College, Strand, W.C.		
1885 Dec. 1.	*CARPON, ATHOL JOHN .. .. ..	The Mount, Erith, Kent.		
1886 Feb. 2.	CARDEW, CORNELIUS EDWARD .. .. ..	King, King & Co., Bombay.		
1890 Jan. 14.	CARDEW, JOHN HAYDON .. .. ..	75 Pitt St., Sydney, N.S.W. (436.)		
1875 Feb. 2.	{*CARDODO, FRANCISCO CORREA DE MESQUITA .. .. ..}	Pernambuco. [Sydney, N.S.W.]		
1893 Feb. 7.	*CAREW-GIESON, JOHN GEORGE .. .. ..	Capt. Moseley, 12 Castlereagh St.,		
1886 Jan. 12.	CAREY, ARTHUR .. .. ..	17 De Vere Gardens, W.		
1888 Jan. 10.	*CAREY, EVELYN GEO. .. .. ..	Dalmarnock Iron Works, Glasgow.		
1871 Mar. 7.	*CARFRAE, JAMES ALSTON .. .. ..	Holme Lodge, Wimbledon, S.W.		
1878 May 7.	*CARLESS, GEORGE PROCTER .. .. ..	Parry & Co., Madras.		
1877 Dec. 4.	CARLINE, JOHN .. .. ..	Merivale, Catford Bridge, S.E.		
1879 Feb. 4.	CARLTON, GEORGE BRODIE .. .. ..	Local Board, Beckenham. [sea.]		
1890 Feb. 4.	*CARLTON, SAMUEL WATKIN .. .. ..	Morfa Copper Wks., Landore, Swan-		
1891 Mar. 3.	*CARNE, FREDERICK WILLIAM .. .. ..	Sirhind Canal, Ludhiana, Punjab.		
1886 Apr. 6.	CARPENTER, CHARLES CLAUDE .. .. ..	So. Metrop. Gasworks, Vauxhall, S.W.		
1889 Dec. 3.	*CARPENTER, JESSE FAIRFIELD .. .. ..	Cazenovia, New York, U.S.		
1889 Apr. 2.	CARPENTER, WILLIAM JOHN .. .. ..	Gasworks, Great Yarmouth.		
1891 Mar. 3.	*CARPMAEL, HENRY GIFFORD .. .. ..	P.W.D., Kuala Lampur, S.S.		
1892 Jan. 12.	CARR, ISAAC .. .. ..	Gas and Waterworks, Widnes.		
1891 Apr. 7.	*CARR, ROBERT ALFRED .. .. ..	1 West Pier, London Docks, E.		
1889 Dec. 3.	*CARRICK, HENRY HAWKSHEAD .. .. ..	{10 Waterford Cres., Whitley, North- umberland. [B'ham.]		
1892 Dec. 6.	*CARTE, RALPH GEORGE .. .. ..	23 Valentine Rd., King's Heath,		
1871 Dec. 5.	*CARTER, HENRY .. .. ..	{65 Victoria Street, S.W. (Sanita- tion, London.)		
1884 Dec. 2.	*CARTER, RODERICK EDMOND .. .. ..	Dickeson & Stewart, 4 Qn. Vict. St., E.C.		
1876 Feb. 1.	*CARTMELL, JOSEPH .. .. ..	Maryport and Carlisle Ry., Maryport		
1887 Dec. 6.	{*CARUS-WILSON, Prof. CHARLES ASHLEY, M.A. .. .. ..}	McGill University, Montreal.		
1883 Mar. 6.	*CARVER, WALTER ASPINALL .. .. ..	Rushworth, Victoria.		
1880 Dec. 7.	CARVOSSO, JAMES HUSBAND .. .. ..	Eng.'s Dept., Gas Co., Dartford.		
1890 Jan. 14.	*CARY, ARTHUR PITT CHAMBERS .. .. ..	11 Ivydale Rd., Nunhead, S.E.		
1881 Apr. 5.	CARY, SULYARDE BERNARD .. .. ..	Himalaya Ry., Darjeeling, India.		
1884 Feb. 5.	*CASE, ALBERT HAVELOCK, Wh.Sc.	Deep Lock, Barry Dock, Cardiff.		
1882 May 2.	CASE, EDWARD .. .. ..	New Hall, Dymchurch, Kent.		
1892 Jan. 12.	CASEBOURNE, CHARLES BASTOW .. .. ..	{East Coast Steamship Insurance Association, West Hartlepool.		
1891 Jan. 13.	*CASHMAN, WM. ALOYSIUS, B.E.	Eng.'s Off., G.W.Ry., Paddington, W.		
1891 Dec. 1.	CASTILLA, HENRY COUPER .. .. ..	City Surveyor, Perth, W. Australia.		

Date of  
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## ASSOCIATE MEMBERS.

1884 Apr. 1.	{ CAVALCANTI, JOSÉ BARBALIO UCHIÔA .. .. .. .. .. }	Rua da Alfandega 6, Rio de Janeiro.
1892 Apr. 5.	CAWS, BYRON FRANK .. ..	R.E. Office, Sheerness.
1872 Jan. 9.	CHADWICK, OSBERT, C.M.G. ..	11 Airlie Gardens, Campden Hill, W.
1882 Mar. 7.	*CHADWICK, WILLIAM, F.C.I. ....	King, Hamilton & Co., Calcutta.
1889 Dec. 3.	CHALCRAFT, GEORGE BARKER ..	126 London Rd., Leicester.
1890 Mar. 4.	*CHAMBERS, CHARLES, JUN. ..	Observatory, Colaba, Bombay.
1893 Apr. 11.	CHAMPION, ALFRED JOHN ..	11 Victoria Street, S.W.
1891 Jan. 13.	CHAMPION, HENRY VINE ..	Surveyor, Williamstown, Victoria.
1878 Feb. 5.	CHANCELLOR, JOHN THORNTON ..	104 Queen Victoria Street, E.C.
1880 Feb. 3.	CHANDLER, JOSEPH GEORGE ..	Ladywood, Little Park, Enfield.
1886 Dec. 7.	CHAPMAN, ALBERT BARNES ..	Court Ho. Chambers, Buxton.
1883 Apr. 3.	*CHAPMAN, ARTHUR DODWELL ..	Govt. Rys., Cape Town, C.C.
1888 Dec. 4.	CHAPMAN, GEORGE JAMES ..	R. E. Office, Shorncliffe, Kent.
1876 Mar. 7.	CHAPMAN, JAMES LAWRENCE ..	Woodcroft, Harrow-on-the-Hill.
1879 Feb. 4.	CHAPMAN, JOSEPH CRAWHALL ..	70 Chancey Lane, W.C.
1892 May 3.	*CHAPMAN, THOMAS HOWARD ..	P. W. D., Badulla, Ceylon.
1886 Apr. 6.	*CHARNOCK, GEORGE FREDERICK ..	Technical College, Bradford.
1887 Mar. 1.	*CHARRINGTON, EDMUND ..	Mayfield, Chislehurst.
1892 Mar. 1.	*CHARTERS, ROBERT HEARN ..	69 Princess St., Leicester.
m ✠ 1885 Feb. 3.	*CHATHAM, WILLIAM .. ..	Ex. Eng., P.W.D., Hong Kong.
m ✠ 1892 Dec. 6.	*CHATTERTON, ALFRED, B.Sc. ....	College of Engineering, Madras.
1881 Dec. 6.	*CHAUNTLER, FRANK .. ..	The Manse, Balham Park Rd., S.W.
† 1882 May 23.	CHENHALL, JAMES WARNE ..	DartVils., Totnes. (Chenhall, Totnes.)
1885 Feb. 3.	*CHESTER, ALF. BENIGNO ALEX. ....	Selkirk Villa, Cheltenham.
1886 Apr. 6.	CHILD, GEORGE CHARLES ..	Kingston Metal Works, Birmingham.
1889 May 21.	CHILD, WILLIAM SAMUEL ..	Harbour Engineer, Aden.
1887 Jan. 11.	CHILDE, HENRY SLADE ..	Wakefield. (Childe, Wakefield. 33.)
1883 May 29.	*CHIPPERFIELD, WM. ED. HOPKINS ..	North St., Atherstone.
1890 Dec. 2.	CHIRICO, EVARISTO DE .. ..	13 University St., Athens, Greece.
1888 May 1.	*CHISHOLM, ROSS .. .. ..	Madras Railway, Madras.
1881 Dec. 6.	CHRISTIE, HARRY BATHURST ..	P.W.D., Airswella, Ceylon.
1890 Feb. 4.	CHRISTIE, WILLIAM INNES ..	{ Central Ry., Rosario de Santa Fé, Argentina.
1886 Dec. 7.	*CHUBB, HARRY WITHERS ..	43 Glengall Rd., Old Kent Rd., S.E.
1878 Jan. 15.	*CHURCHWARD, GEORGE DUNDAS ..	c.o. H.B.M. Consul, Tientsin, China.
1851 May 20.	CHURCHWARD, WILLIAM HENRY ..	H.M. Dockyard, Pembroke.
† 1879 Feb. 4.	*CHURCHWARD, WM. PATRICK ..	Via Carlo Farini 42, Milano.
1892 Apr. 5.	*CLATHAM, FREDERICK RICHARD ..	44 Brigstock Rd., Thornton Heath.
1883 Jan. 9.	CLARE, JESSE .. .. ..	Sleaford, Lincs.
1885 Dec. 1.	CLARK, ALEXANDER .. ..	Kirkcaldy, Fife, N.B.
1888 Dec. 4.	*CLARK, EDWARD GEORGE ..	F.C. del Sur, Arequipa, Peru.
1888 Feb. 7.	CLARK, FREDERICK DIXON ..	Boro'Eng., TownHall, R'dhill, Surrey.
1891 Feb. 3.	*CLARK, GILBERT .. ..	10 Adam Street, Belfast.
1871 Dec. 5.	CLARK, OCTAVUS DEACON ..	Kokine, Orpington, Kent. [Staffs.
1891 May 5.	CLARK, WILLIAM FREDERICK ..	82 Holyhead Rd., Handsworth,
1886 May 18.	CLARKE, CHARLES HARWOOD ..	Ry. Dept., Colombo, Ceylon.
1890 Apr. 1.	*CLARKE, CHARLES STANLEY ..	655 Calle Piedad, Buenos Ayres.
1869 Jan. 12.	CLARKE, CHRISTOPHER JAMES ..	Bath Road, Harlington.
1893 Feb. 7.	*CLARKE, EDMUND .. .. ..	{ Australian Bldgs., Elizabeth St., Melbourne, Victoria.
1892 Dec. 6.	*CLARKE, EDWARD .. .. ..	Water Eng.'s Office, Devonport.
1883 Dec. 4.	CLARKE, HENRY WILLIAM ..	Holly Bank, Frodsham, Cheshire.
1889 Dec. 3.	*CLARKE, JOHN FOLLIOTT MOSTYN ..	{ 2 Gainsboro' House, Lithos Road, Finchley Road, N.W.
1888 Apr. 10.	*CLARKE, JOSEPH PERCY ..	Av. de Mayo 248, Buenos Ayres.
1888 Dec. 4.	CLARKE, WILLIAM JOHN ..	H.M. Dockyard, Bermuda.
1890 Dec. 2.	*CLARKSON, THOMAS, Wh.Sc. ..	{ Fairholme, Egnont Road, Sutton, Surrey.
1865 May 2.	CLAYTON, ALFRED .. ..	Town Hall, Richmond, Victoria.
1893 Jan. 10.	*CLAYTON, FRANK, F.C.H. ....	P. W. D., Agra Canal, Muttra, India.
1888 Dec. 4.	*CLEAVER, HENRY LOWTHIAN ..	King, King & Co., Bombay.
1883 May 1.	CLEBURNE, JAMES .. .. ..	Avoca Avenue, Blackrock, co.Dublin

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ASSOCIATE MEMBERS.

1879 Mar. 4.	CLEGG, BENJAMIN .. .. ..	2 Burlington Pl., Altrincham, Mchtr.
1881 Mar. 1.	*CLEGG, CHARLES .. .. ..	Club de Estrangeros, Buenos Ayres.
1892 May 3.	CLEGHORN, ALEXANDER .. .. ..	20 Moston Ter., Mayfield, Edinburgh.
1884 Apr. 1.	CLEMES, JOHN HENRY .. .. ..	Cheriton, Chelston, Torquay.
1884 May 27.	CLEMINSHAW, THOMAS STANLEY .. .. ..	Launceston, Tasmania.
1879 Mar. 4.	CLEMINSON, JOHN .. .. ..	St. Paul's Chams., Ludgate Hill, E.C.
1892 Mar. 1.	*CLEMINSON, JOHN JAS. DAVIDGE .. .. ..	9 New Broad Street, E.C.
1872 Dec. 3.	CLEMMEY, WILLIAM HENRY .. .. ..	39 Trinity Road, Bootle, Liverpool.
W t X	1889 Jan. 8. CLERK, DUGALD .. .. ..	{ 13 Temple St., Birmingham. (Pumps, Birmingham.)
	1888 Dec. 4. *CLIFTON, COURtenay THORNTON .. .. ..	Ministry of Public Works, Cairo.
	1874 May 12. CLIMIE, WILLIAM .. .. ..	Masaya, Nicaragua.
	1883 May 1. *CLOSE, JOHN FORBES .. .. ..	Egyptian Dredging Co., Cairo. [pool.
	1891 Dec. 1. CLOUGH, ALFRED .. .. ..	114 Belgrave Rd., St. Michael's, Liv'.
	1877 Dec. 4. CLOUGH, CHARLES FREDERIC .. .. ..	{ Southern Ry., Mount Barker, So. Australia.
	1880 May 4. *CLOW, JAMES GILLESPIE HENRY .. .. ..	{ F. C. del Sur, Puebla, Mexico. (Clow, Puebla, Mexico.)
	1891 Dec. 1. COAKES, GEORGE SHOREY, B.A. .. .. ..	Caixa 1146, Rio de Janeiro.
	1889 Dec. 3. COALES, HERBERT GEORGE .. .. ..	Local Board, Market Harborough.
	1885 Feb. 3. COATES, THOMAS .. .. ..	The Poplars, Darlington.
	1886 Feb. 2. COATES, WILLIAM .. .. ..	Pasture Lane, Clayton, Bradford.
	1890 Dec. 2. COATH, DAVID DECIMUS .. .. ..	Rangoon. Burma.
	1864 Jan. 12. COBD, GEORGE HENRY .. .. ..	Grosvenor Hotel, Pimlico, S.W.
	1879 Apr. 1. COBOLD, EDGAR STERLING .. .. ..	All Stretton, Church Stretton, Salop.
	1892 Dec. 6. *COCHÉMÉ, ALFRED ERNEST .. .. ..	Sirhind Canal, Ferozepore, India.
	1889 Mar. 5. *COCHRANE, FRANCIS JAMES .. .. ..	Etwall Vicarage, Derby.
	1890 Apr. 1. COCKBURN, ROBERT .. .. ..	Pennoxstone Court, Ross, Hereford.
	1889 Mar. 5. COCKBURN, SIDNEY MANTHORP .. .. ..	50 Queen Anne's Gate, S.W.
+	1890 Feb. 4. COCKERILL, JOHN WILLIAM .. .. ..	Boro' Surveyor, Great Yarmouth.
	1888 Feb. 7. *COCKSHOTT, FRANCIS EDWARD .. .. ..	Govt. Rys., Haputale, Ceylon.
	1891 Feb. 3. COE, DAVID .. .. ..	Commercial Rd., Newport, Mon.
+	1882 Dec. 5. COGLIAN, TIMOTHY AUGUSTINE .. .. ..	Govt. Statistician, Sydney, N.S.W.
	1886 Apr. 6. *COLE, CHARLES JOHN .. .. ..	W. Watson & Co., Bombay.
	1891 Mar. 3. COLE, HENRY GEORGE .. .. ..	49 Erdley Cres., Earl's Court, S.W.
	1876 Mar. 7. COLE, THOMAS .. .. ..	11 Victoria Street, S.W. [Leyton.
	1890 Dec. 2. *COLE, WILLIAM BARTHOLOMEW .. .. ..	4 Westward Ho, Thornhill Road,
	1892 Jan. 12. *COLE, WILLIAM HENRY .. .. ..	King, King & Co., Bombay.
	1892 Feb. 2. { COLE-BAKER, GEO. HANNYNG- TON, B.A. .. .. ..	Glenbeigh, co. Kerry. [ming.
	1893 Feb. 7. *COLES, FRANCIS GEORGE .. .. ..	Mrs. Lawrence, Crown Pits, Godal-
	1886 Dec. 7. *COLES, WALTER JOSEPH .. .. ..	Norman Vil., Elm Grove, Peckham,
	1883 Dec. 4. *COLFOX, THOMAS ALFRED .. .. ..	Westmead, Bridport. [S.E.
	1886 Feb. 2. *COLLIE, JAMES .. .. ..	Col. Eng., Bathurst, Gambia, W. Afr.
	1893 Jan. 10. COLLIER, HUGH MORTIMER HERBERT .. .. ..	Eng.'s Office, West India Dock, E.
	1887 Dec. 6. COLLIN, ALFRED JONES .. .. ..	N. E. Ry., Darlington.
	1880 Dec. 7. *COLLINGWOOD, WILLIAM .. .. ..	Newton-le-Willows, Lanes.
	1892 Dec. 6. *COLLINS, ADRIAN CHAS. .. .. ..	61 Old Broad Street, E.C.
	1887 Dec. 6. COLLINS, ARTHUR ELLISTON .. .. ..	Boro' Surveyor, Reading.
+	1891 Dec. 1. *COLLINS, HY. FRAS., A.R.S.M. .. .. ..	Estacion Terrazas, Chihuahua,
	1877 Mar. 6. COLLINS, HENRY RAMSAY .. .. ..	Durban, Natal. [Mexico.
	1891 Mar. 3. *COLLIS, WM. HENRY .. .. ..	129 Upper Stanhope St., Liverpool.
	1881 Dec. 6. COLQUHOUN, ARCHIBALD ROSS .. .. ..	Fort Salisbury, Mashonaland, S.Afr.
	1888 Mar. 6. *COLQUHOUN, WILLIAM .. .. ..	St. Mary's Chambers, Cardiff.
	1890 Feb. 4. *COLSON, CHARLES HENRY .. .. ..	H. M. Dockyard, Portsmouth. [W.C.
	1876 Mar. 7. COLSON, THOMAS .. .. ..	W. Webster, 8 St. Martin's Place,
	1882 Apr. 4. COLSON, WILLIAM .. .. ..	Tyne Dock Works, South Shields.
	1883 May 29. COMMANS, ROBERT EDDEN .. .. ..	52 Gracechurch St., E.C.
	1872 Apr. 9. COMPTON, EDMUND .. .. ..	Maranhao, Brazil.
	1884 Dec. 2. { COMPTON-BRACEBRIDGE, JOHN .. .. ..	3 Whitehall Place, S.W.
	EDWARD .. .. ..	
	1887 Dec. 6. CONCEIÇÃO, JOSÉ MARIA DA .. .. ..	Caixa 321, Rio de Janeiro.

Date of  
Election.

## ASSOCIATE MEMBERS.

1889 Dec. 3.	CONDON, DANIEL EDWARD, M.E.	Pacific Improvement Co., San Francisco, Cal., U.S.
1890 Mar. 4.	*CONES, JAMES ALFRED .. ..	E. Junna Canal, Saharunpore, Ind.
1888 May 15.	CONEY, JOHN ROBERT .. ..	Meadowfield, Sleaford, Lines. [ter.
1891 Dec. 1.	CONNERY, DANIEL, M.E.	Ship Canal, Salford Docks, Manches-
1892 Dec. 6.	CONSTANTINE, EZEKIEL GRAYSON	32 Victoria Street, Manchester.
1892 May 3.	*CONYERS, SIDNEY WARD ..	Ry. Construct. Dept., Sydney, N.S.W.
1874 Feb. 3.	CONYERS, WILLIAM .. ..	{ N. M. & Agency Co. of New Zealand, Melbourne, Victoria.
1886 Dec. 7.	COODE, MONTGOMERY PENROSE	A. Scott & Co., Rangoon, Burma.
1887 Dec. 6.	*COOK, FRANK PLANT .. ..	Mansfield Woodhouse, Notts.
1893 Jan. 10.	COOK, JOHN .. ..	Borough Surveyor, Lancaster.
1889 Feb. 5.	COOK, WALTER EDMUND ..	Water Dept., Pitt St., Sydney, N.S.W.
1856 Apr. 1.	COOKE, ALFRED THOMAS ..	Eastridge, Ryde, Isle of Wight.
1882 May 23.	COOKE, CHARLES EDWARD ..	Berry, nr. Sydney, N.S.W.
1876 Dec. 5.	COOKE, Professor SAMUEL, M.A.	C.E. College, Poona, Bombay.
1888 Dec. 4.	*COOMBER, WILLIAM HORACE ..	Lanes, and Yorks. Ry., Manchester.
1884 May 27.	*COOMBES, CHAS. JNO. PLUMBE, B.A.	Barnfield Ter., Liskeard, Cornwall.
1891 Dec. 1.	COOPER, ALFRED ERNEST ..	39 Warwick Rd., Maida Vale, W.
1881 Dec. 6.	*COOPER, CHARLES FRIEND ..	Telegraph Wks., Pownall Rd., Dalston.
1880 May 25.	*COOPER, CHARLES HAMLET ..	Local Board Office, Wimbledon.
1885 Dec. 1.	*COOPER, FRANCIS ALFRED ..	Director of Public Works, Hong Kong.
1885 Dec. 1.	COOPER, JOHN .. ..	1 Parliament Sq., Edinburgh.
1893 Jan. 10.	*COOPER, SAMUEL EDWARD ..	Morrow Foundry, Iquique, Chili.
1886 May 18.	{ COOPER, VIVIAN BOLTON DOU-	5 Victoria St., S.W. [Megohm, Lon-
	GLAS .. .. .. ..	don.] [tune, Hull. 30.]
1874 Feb. 3.	COOPER, WILLIAM .. ..	Neptune Engine Works, Hull. [Nep-
1892 Mar. 1.	COOPER, WILLIAM .. ..	27 Victoria Buildings, Manchester.
1890 Dec. 2.	COPELAND, HY. PAUL RAMSAY	Waterworks, Dubbo, N.S.W.
1890 Dec. 2.	COPLAND, WILLIAM WALLACE	Local Board, Sheerness.
1890 Apr. 1	CORDNER-JAMES, JOHN HENRY	10 Mansion House Chambers, E.C.
1892 Dec. 6.	CORNER, CHARLES .. ..	The Bower, Wellington.
1877 Dec. 4.	CORNES, CORNELIUS .. ..	{ 76 Cannon St., E.C. (Credendum, London.)
1875 Apr. 6.	CORNISH, THOMAS SMERDON ..	Belfield, East Coast, Demerara.
1878 May 28.	CORRY, JOHN EDWARD ..	Dom Krasillinkoff, Sevastopol.
1883 Feb. 6.	*COSTE, JEAN LOUIS NAPOLEON	Dept. P.W., Ottawa, Canada.
1887 Apr. 5.	*COTTERELL, ALBT. PLAYER ISAAC	7 Baldwin St., Bristol.
1866 May 15.	COTTERILL, JAS. HY., M.A., F.R.S.	18 Gloucester Place, Greenwich, S.E.
1884 May 6.	*COTTON, HENRY STREATFIELD	{ Hydraulic Power Co., 9 Bridge St., Westminster, S.W. [S.E.
1877 Feb. 6.	{ COTTRELL, HENRY EDWARD	36 Rockmount Rd., Upper Norwood,
	PLANTAGENET .. ..	Overhead Ry., James St., Liverpool.
1889 May 21.	*COTTRELL, STEPHEN BUTLER ..	King, King & Co., Bombay.
1890 Feb. 4.	*COUCHMAN, FRANCIS DUNDAS	New River Office, Cierkenwell, E.C.
1879 Feb. 4.	COUPER, FREDERICK .. ..	6 Great Winchester Street, E.C.
1870 Dec. 6.	COWAN, CHARLES .. ..	Vicarage Lane, Bowdon.
m m ♫ 1887 May 3.	*COWAN, EDWARD WOODROWE ..	175 Hope Street, Glasgow.
1890 Feb. 4.	*COWAN, JOHN, JUN. ..	Gasworks, Sydney, N.S.W. [S.W.
1887 May 24.	*COWARD, CHARLES ANDERSON	Stilwell & Sons, 21 Gt. George St.,
1889 Dec. 3.	COWARD, GEORGE EDWARD ..	6 Great George Street, S.W.
1874 Jan. 13.	*COWPER, CHARLES EDWARD ..	San José, Costa Rica. [Brazil.
1892 Dec. 6.	*COX, FREDERICK NUTTER ..	Calçada do Bonfim 167, Bahia,
1893 May 2.	COX, FREDERICO WILLIAM ..	Kingston, Jamaica.
1876 Dec. 5.	*COX, GRIFFITH NATHANIEL ..	Bourne End, nr. Maidenhead.
1883 Jan. 9.	*COX, HORACE BOARDMAN ..	Griindlay's, 55 Parliament St., S.W.
1881 Mar. 1.	COX, THOMAS ADEY, B.A. ..	S. Pearson & Son, Mexico.
1886 Dec. 7.	*CRABTREE, HENRY HERBERT ..	{ T. Stewart, 6 St. George's Chams., Cape Town, C.C.
1891 Dec. 1.	*CRABTREE, WILLIAM ROBSON	32 King's Rd., Doncaster.
1883 May 29.	*CRABTREE, WM. HY. ROBINSON	Govt. Rys., Haputale, Ceylon.
1889 Dec. 3.	*CRAIG, CLARENCE .. ..	Milton House, Alsager, Cheshire.
1889 May 7.	CRAIG, ERNEST .. ..	

Date of  
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ASSOCIATE MEMBERS.

1888	Apr. 10.	CRAIG, WILLIAM JEFFERS ..	..	53 Earlham Grove, Forest Gate, E. (Cutwater, London.)
1890	Dec. 2.	CRAMPTON, ARTHUR CECIL ..	..	Ex. Eng., Monywa, Upper Burma.
1891	Mar. 3.	CRAVEN, ALBERT WILLIAM ..	..	468 Collins St., Melbourne, Victoria.
1875	May 4.	CRAVEN, CHARLES ALFRED ..	..	Gasworks, Savile Town, Dewsbury.
1870	May 3.	CRAWFORD, WM. FREDK., B.A. ..	..	P.O. Box 183, Johannesburg, Trans-
1881	Mar. 1.	CREASY, LEONARD .. .. ..	..	Jaffna, Ceylon [vaal.]
1884	Feb. 5.	CREER, ALFRED .. .. ..	..	The Guild Hall, York.
1883	May 29.	CRESSWELL, JOSEPH .. .. ..	..	54 Castle St., Dover.
1893	May 16.	{ CRESWELL, FREDERIC HIGH PAGE, A.R.S.M. .. .. ..	} Post Office, Gibraltar.	
1884	Dec. 2.	CRICHTON, WILLIAM BATEMAN ..	..	Vulcan Ironworks, Bradford.
1880	Jan. 13.	CRICKMAY, WILLIAM .. ..	..	Ferguson Bldg., Vancouver, B. Co.
1888	Dec. 4.	CRIPPS, FREDERICK SOUTHWELL ..	..	9 High St., Sutton, Surrey. [lumbia.]
1881	Dec. 6.	*CROFT, HENRY .. .. ..	..	Victoria, British Columbia.
1889	Dec. 3.	CROFTS, CHARLES JAMES ..	..	Harbour Works, Port Natal.
1882	Dec. 5.	*CRONIN, EDWARD GEORGE ..	..	Dept. of Rds. & Bldgs., Sydney, N.S.W.
1888	Dec. 4.	*CROOK, CHAS. RICHARD ERNEST ..	..	{ Central Ry., Rosario de Santa Fé, Argentina.
1879	Mar. 4.	*CROOK, HENRY TIPPING .. ..	..	9 Albert Sq., Manchester. [Kong.]
1892	Mar. 1.	*CROOK, JOHN ROWLAND ..	..	Water & Drainage Dept., Hong
1879	May 27.	CROSBIE, JAMES .. .. ..	..	New Farm, Gamlingay, Sandy.
1883	Dec. 4.	CROSLAND, BENJAMIN .. .. ..	..	1 Rudolph Road, Kilburn, N.W.
1892	Feb. 2.	{ CROSLAND, JAMES FOYELL LOVELOCK .. .. ..	} 67 King Street, Manchester.	
1887	May 24.	CROSLEY, WILLIAM .. .. ..	..	Sucré, Puerto Berrio, U.S. Colombia.
1891	Dec. 1.	CROSS, ALFRED McCALLUM ..	..	Asst. Boro' Eng., Durban, Natal.
1882	Apr. 4.	*CROSS, AMBROSE WOOTTON ..	..	Town Surveyor, Loughborough.
1887	Dec. 6.	*CROSS, FREDERICK WILLIAM ..	..	Corporation St. West, Walsall.
1886	May 18.	CROSS, WILLIAM .. .. ..	..	Priory Gas Co., Leamington.
1888	Feb. 7.	{ CROSTHWAITE, PONSONBY MOORE, B.E. .. .. ..	} Suck Drainage, Roscommon.	
1891	Feb. 3.	{ CROWE, PERCY BARBY GUSTAV OTTO .. .. ..	} 39 Victoria Street, S.W.	
1892	Jan. 12.	CROZIER, WILLIAM, JUN. ..	..	Shire Hall, Durham.
1887	Dec. 6.	CRUMMACK, HARKER CHARLES ..	..	Boro' Engineer, Hartlepool.
1881	May 31.	CUBITT, WILLIAM .. .. ..	..	Rumney House, Cardiff.
1879	Feb. 4.	CUCCO, GIOVANNI .. .. ..	..	83 Via Umberto, Biella, Italy.
‡	1883 Mar. 6.	CUDWORTH, WILLIAM JOHN ..	..	Eng.'s Off., N. E. Ry., Darlington.
‡	1891 Dec. 1.	{ CUFFE, OTWAY FORTESCUE LUKE WHEELER .. .. ..	P.W.D., Mandalay, Burma.	
1890	Jan. 14.	CULLIS, EDMUND JOSEPH ..	..	Dock Office, Gloucester.
1881	Dec. 6.	CULVERWELL, G. PARNALL, B.A. ..	..	County Down Ry., Belfast.
1890	Feb. 4.	*CUMING, JAMES HENING, F.C.H. ..	..	King, King & Co., Bombay.
1877	Mar. 6.	CUNDALL, JOSEPH HENRY ..	..	Beaufort Rd., Kingston-on-Thames.
1875	Jan. 17.	CUNNINGHAM, JAMES HENRY ..	..	4 Magdala Crescent, Edinburgh.
1882	Feb. 7.	CURLING, ARTHUR HENRY ..	..	Enterprise, Clark Co., Miss., U.S.
1883	Dec. 4.	*CURRY, WILLIAM ELMITT ..	..	Mulgrave Rd., Sutton, Surrey.
1888	Jan. 10.	CURRY, WILLIAM THOMAS ..	..	Waterworks, Ulverston, Lancs.
t ‡	1890 May 6.	CURTIS, ALFRED HARPER, B.A. ..	..	13 South Hill Park Gardens, N.W.
	1893 Apr. 11.	CUSHNY, JOHN .. .. ..	..	P. E. Scrutton, 24 Queen Victoria St.,
	1892 Dec. 6.	*CUST, LEOPOLD .. .. ..	..	99 Onslow Square, S.W. [E.C.]
	1890 Dec. 2.	CUTHBERT, GEORGE BLYTHE ..	..	Gamtoos River Bridge, Port Eliza-
m ‡	1886 Dec. 7.	*CUTLER, HENRY ALBERT ..	..	Local Board, Rawteustall. [beth, C.C.]
	1874 May 12.	CUTLER, SAMUEL .. .. ..	..	16 Great George Street, S.W.
1889	Dec. 3.	DADABHOY, CURSETJEE ..	..	Cumballa Hill, Bombay.
1888	May 1.	DADABHOY, RATANSHAW ..	..	Bombay Ironworks, Bombay.
1891	Mar. 3.	DADLEY, BENJAMIN BAINES ..	..	Thames Ironworks, Blackwall, E.
1888	Dec. 4.	D'AETH, JOHN .. .. ..	..	P. W. D., Mandeville, Jamaica.
1882	May 2.	DALES, JOHN HANDSLY ..	..	45 Lofthouse Place, Leeds.

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1881 May 31.	DALIAS, JOHN EDWIN .. ..
m † 1887 Dec. 6.	*DALRYMPLE-HAY, HARLEY HUGH ..
1883 Jan. 9.	*DANFORD, GEORGE J. ATCHISON ..
1874 Apr. 14.	DARBISHIRE, CHARLES HENRY ..
1892 Dec. 6.	*DARE, HENRY HARVEY, B.E. ..
1883 Dec. 4.	DARLINGTON, FRED. ARTHUR ..
1877 Feb. 6.	DARWIN, HORACE, M.A. .. ..
1873 Mar. 4.	DARWIN, SAMUEL BROTHERS ..
1890 Apr. 1.	*DAVENPORT, CHARLES EDWARD ..
1892 Dec. 6.	*DAVEY, GEORGE REGINALD ..
1882 Dec. 5.	DAVIDSON, JOHN GEORGE ..
1882 May 2.	DAVIDSON, JOHN PATON .. ..
1891 Mar. 3.	DAVIES, DAVID .. .. ..
1886 Jan. 12.	DAVIES, DAVID GEORGE .. ..
1888 May 1.	DAVIES, HARRY SEAGRAVE ..
1876 May 2.	DAVIES, JOHN JOSEPH .. ..
1888 Dec. 4.	DAVIES, MORGAN WILLIAMS ..
1876 Apr. 4.	DAVIES, THOMAS WILBERFORCE ..
1888 Dec. 4.	DAVIES, WILLIAM AUGUSTUS ..
1882 May 2.	*DAVIS, ALFRED THOMAS ..
1885 Mar. 3.	DAVIS, FREDERICK .. ..
1875 Jan. 12.	DAVIS, HARRY LOUIS .. ..
1863 Apr. 14.	DAVIS, JOHN .. .. ..
1892 May 3.	DAVIS, JOHN POOLE .. ..
1891 Jan. 13.	*DAVIS, NEVILLE BROOKES ..
1891 Feb. 3.	*DAVISON, AUGUSTINE CAMPBELL ..
1881 Dec. 6.	DAVISON, ROBERT .. .. ..
1884 Mar. 4.	*DAVISON, ROBERT COPE HARDY ..
1882 Apr. 4.	DAVISON, THOMAS VINCENT ..
1887 Apr. 5.	DAVISON, T. VINCENT HERBERT ..
1891 Dec. 1.	*DAVY, JOHN .. .. ..
1892 Mar. 1.	DAVY, WILLIAM JAMES .. ..
1871 Apr. 4.	DAWNAY, ARCHIBALD DAVIS ..
1884 May 27.	*DAWSON, ERNEST FREDERICK ..
1875 Dec. 7.	DAWSON, JAMES HENRY .. ..
1886 Jan. 12.	*DAWSON, WILLIAM .. .. ..
1886 Mar. 2.	DAWSON, WILLIAM .. ..
M † 1879 Dec. 2.	*DAWSON, WILLIAM BELL, M.A. ..
1887 May 3.	DAY, JOSEPH .. .. ..
1891 May 5.	DEAKIN, THOMAS HEDGES ..
1891 Jan. 13.	*DEANS, HAROLD, B.A. ..
1881 May 3.	DEASE, PATRICK PAGET .. ..
1886 Apr. 6.	DEBRATH, STANLEY .. ..
1882 Dec. 5.	D'E BRO, CHARLES ABRAHAM ..
1877 Feb. 6.	DEES, JAMES GIBSON ..
in 1890 Apr. 1.	{ DELVES - BROUGHTON, VERNON ..
	WARBURTON .. .. ..
1885 Dec. 1.	DE MELLO, CHARLES HARVEY ..
1886 Dec. 7.	*DENISON, ALBERT .. .. ..
1886 Dec. 7.	*DENISON, GEORGE CHARLES ..
1887 Dec. 6.	DENISON, JOSEPH BASIL .. ..
1886 Dec. 7.	DENNE, RALPH THOMAS .. ..
1881 May 31.	DENNIS, HENRY .. .. ..
1881 Apr. 5.	*DENT, HASTINGS CHARLES .. ..
1886 Dec. 7.	DENTON, HENRY RICHARD JOHN ..
1884 Feb. 5.	DESPARD, FITZHERBERT RUXTON ..
1885 Dec. 1.	DETSSI, MIGUEL .. .. ..
1886 Mar. 2.	DEVERELL, THOMAS CLARK ..
1889 Feb. 5.	{ DEVÉRIA, LEWIS MARIE THEO- ..
	DUKE .. .. .. .. ..
	King, King & Co., Bombay.
	L. & S.W. Ry., Waterloo, S.E.
	Bremersdorp, Swazieland, So.Africa.
	Plas Celyn, Penmaenmawr.
	Waverley, Sydney, N.S.W. [S.E.
	11 St. Julian's Farm Rd., W. Norw'd,
	Huntingdon Road, Cambridge.
	Gasworks, Portsmouth.
	Heath Bank, Nantwich, Cheshire.
	13 Hill Park Crescent, Plymouth.
	Caledonian Canal, Inverness.
	Parry & Co., Madras.
	Cowell House, Llanelli. [Swansea.
	2 Claremont Vils., Oystermouth,
	W. Watson & Co., Bombay.
	Maytown, North Queensland.
	17 Adelaide Street, Swansea.
	48 Partridge Road, Roath, Cardiff.
	Town Surveyor, Aston, Birmingham.
	County Surv., Shirehall, Shrewsbury.
	9 Bridge St., Westminster, S.W.
	G. E. Ry., Liverpool St., E.C.
	Bifrons, Farnboro', Hants.
	Stort Navigation, Harlow, Essex.
	Waterworks Office, Leicester.
	531 Holloway Road, N.
	Sherrard House, Middle Deal, Kent.
	2 Danes Inn, Strand, W.C.
	Boro' Surveyor, Windsor.
	Glebe Side, New Malden, Surrey.
	Caixa 403, Rio de Janeiro. [S.W.
	41 Wandsworth Bdge. Rd., Fulham,
	{ London Bridge House, E.C. (Dawnay, London.)
	P. W. D., Canals, Karachi, India.
	10 Bolingbroke Rd., Kensington, W.
	Eng.'s Off., L. & N.W. Ry., Bangor.
	Town Hall, Leyton, E.
	McGill College, Montreal.
	Spring Gardens, Bath.
	Parkend, Lydney, Glos.
	31 Dale Street, Leamington Spa.
	King, King & Co., Bombay.
	H. S. King & Co., 45 Pall Mall, S.W.
	99 William St., Melbourne, Victoria.
	Whitehaven.
	30 Rue Seonfas, Athens, Greece.
	King, Hamilton & Co., Calcutta.
	Victoria, Hong Kong.
	Minas de Rio Tinto, Huelva, Spain.
	Junior Carlton Club, Pall Mall, S.W.
	Lydd, Kent.
	Ruabon, N.Wales. (Dennis, Ruabon.)
	20 Thurlow Square, S.W.
	Tor Lodge, Compton, Wolverhampton.
	(Bewick, Moreing & Co., Broad St.
	House, E.C. [de Janeiro.
	Rua do Imperador 8, Petropolis, Rio
	Australian Chambers, Queen St.,
	Brisbane, Queensland.
	Govt. Rys., Tientsin, China.

Date of  
Election.

## ASSOCIATE MEMBERS.

1883 May 1.	*DEVONSHIRE, THOMAS EASTON .. ..	Purbright, Chislehurst.
1884 Mar. 4.	*DEWRANCE, JOHN .. ..	Cranmore Pl., Chislehurst. [Bombay.]
1891 Dec. 1.	{ DHUNJIBHOY, RUTTONJI, Khan Sahib .. .. ..	31 1st Marine Street, Dhobi Talao,
1888 Apr. 10.	DIBLEY, GEORGE .. ..	35 Queen Victoria Street, E.C.
1886 Dec. 7.	*DICKIE, ALEXANDER LOW ..	16 Albyn Terrace, Aberdeen.
1889 May 7.	DICKINSON, ALFRED .. ..	Birmingham Rd., Darlaston, Staffs.
1888 Dec. 4.	DICKINSON, THOMAS RUSHOLM ..	Borough Surveyor, Hertford.
1878 May 7.	DICKSON, GEO. WORKMAN, B.A. ..	P.W.D., British Guiana.
1879 Dec. 2.	*DICKSON, JOHN .. .. ..	Graisdale Grange, Whitby.
1888 Dec. 4.	DIESELHORST, WILLIAM .. ..	44 Wellington Rd., Charlton.
1881 Dec. 6.	DIGGLE, JAMES .. .. ..	Boro' Engineer, Heywood. [S.E.]
1888 Dec. 4.	*DIMIER, PAUL .. .. ..	5 Hyde Vale Villas, Blackheath,
1885 Feb. 3.	*DISNEY, GEORGE WM. .. ..	Dist. Eng., Mozufferpore, India.
1892 Feb. 2.	DIXON, EDWARD KEVILLE, M.E. ..	Royal Engineer Office, Gravesend.
1886 Apr. 6.	*DIXON, FRANCIS CHARLES ..	27 Clement's Lane, E.C.
1893 Jan. 10.	DIXON, FRANCIS EDWARD ..	Local Board, Walton-le-Dale, Lanes.
1892 Dec. 6.	*DIXON, FREDERIC BRERETON ..	17 Morland Road, Croydon. [Station.
1892 Dec. 6.	*DIXON, ROBERT BLAND .. ..	H.M.S. "Trafalgar," Mediterranean
1892 Dec. 6.	*DIXON, STEPHEN MITCHEL, B.E. ..	University, Fredericton, N. Bruns-
1889 Dec. 3.	*DIXON, WILLIAM BROWN .. ..	P. W. D., Perak, S.S. [wick.
1891 Feb. 3.	DOBSON, SYDNEY THORNTON ..	{ St. James' & Pall Mall Electric
1883 Feb. 6.	*DOCKRAY, JOHN ARTHUR ..	Light Co., Carnaby St., W.
1891 Jan. 13.	*DODD, FRANK WM., Wh. Sc.	Holme & King, Wymondham, Oak-
1890 Dec. 2.	DODD, PETER .. .. ..	37 Walbrook, E.C. [ham.
1893 May 16.	DODD-CLARKE, RICHD. FREDK. ..	Surveyor's Office, Wandsworth, S.W.
† 1875 Dec. 7.	DOHERTY, WILLIAM JAMES ..	37 Clarendon Villas, West Brighton.
1889 May 7.	DOLBY, ERNEST RICHD, Wh.Sc. ..	29 Sir J. Rogerson's Quay, Dublin.
1891 May 5.	*DONAGHUE, JOHN .. .. ..	8 Princes St., Westminster, S.W.
1889 Dec. 3.	DONOHUE, WM. EDWD., Wh. Sc.	Rhylader, Radnorshire.
1884 Feb. 5.	*DOREY, HENRY FRANCIS .. ..	R.A. Headquarters, Hong Kong.
1880 May 25.	*DORNING, HERIBERT .. ..	Ship St. Chambers, Brighton.
1883 Dec. 4.	*DOUGAL, ROBERT .. ..	41 John Dalton St., Manchester.
1887 Apr. 5.	DOUGALL, ANDREW, JUD. ..	33 Great George Street, S.W.
1885 Mar. 5.	DOUGLAS, JOHN .. ..	Gasworks, Tunbridge Wells.
1891 May 5.	DOVE, JOHN CHARLES .. ..	9 Binden Rd., Shepherd's Bush, W.
‡ 1888 Feb. 7.	{ DOWDALL, WM. MACDONNELL	St. Nicholas Ironworks, Carlisle.
	MITCHELL .. .. ..	Shanghai, China. [Australia.]
1887 Apr. 5.	DOWLEY, EDMOND POWER, B.E. ..	Murchison Goldfields, Western
† 1887 Feb. 1.	*DOWNES, ROBT. HY. BURNSIDE ..	Town Hall, Geelong, Victoria.
1880 Jan. 13.	DOWNIE, ALEXANDER .. ..	{ Stanners Closes Steel Works, Wol-
1889 Mar. 5.	DOWNING, ARTHUR JOS., B.E. ..	singham, Darlington.
1858 Feb. 2.	DOWNING, ROBERT .. .. ..	94 Lower Baggot St., Dublin.
1893 Jan. 10.	DOYLE, KINSLEY DRYDEN, B.E. ..	10 Park Crescent, Oxford. [N.
1892 Apr. 5.	DRAKE, JOHN .. .. ..	Royal Small Arms Factory, Enfield,
1870 Dec. 6.	DRESSER, FREDERICK .. ..	Winterbank, Queensbury, Bradford.
1890 May 6.	DREW, NAPOLEON EDWARD ..	{ 23 Edmund St., Liverpool. (Dresser,
1891 Dec. 1.	DRIFFIELD, EDWARD CARUS ..	Liverpool. 205.)
1887 Mar. 1.	*DRURY, ALEXANDER GRAHAM ..	The Mount, Braughing, Herts.
1890 Apr. 1.	*DRURY, MARK EDWARD ..	G. P. O., Adelaide, South Australia.
1892 Dec. 6.	*DRURY, RICHARD FREDERICK ..	Tyne Dock Works, South Shields.
1891 Mar. 3.	*DRYLAND, ALFRED .. ..	22 St. Stephen's Rd., Westbourne
1888 Mar. 6.	DUARTE, JOÃO RAYMUNDO ..	P.W.D., Hong Kong. [Park, W.
1893 Feb. 7.	*DUCAT, WALTER AUGUSTUS ..	Meopham, nr. Gravesend.
1890 Dec. 2.	DUCKHAM, HEBER .. ..	Rua do Rezende 72, Rio de Janeiro.
1889 Dec. 3.	*DUFF, EDWARD JAMES, Wh. Sc.	So. Mahratta Rv., Belgaum, India.
1885 Dec. 1.	*DUFF, WILLIAMAITKEN .. ..	{ 182 Lewisham Road, S.E. (Duck-
1889 Feb. 5.	DUFFY, RICHARD .. ..	ham, London.) [Glasgow.
1885 Dec. 1.	*DUFFY, WILLIAM JOHN .. ..	6 Broompark Ter., Dennistoun.
		J. Meldrum, Manila, Philippine Islds.,
		Concepcion, Chili.
		P. W. Office, Hobart, Tasmania.

Date of  
Election.

## ASSOCIATE MEMBERS.

1882 Feb. 7.	DUGUID, HARRY GREENFIELD ..	18 Stanley Pl., Pimlico, S.W. [toria.
1890 Dec. 2.	DUNCAN, ALFRED JOHN ..	418 Little Collins St., Melbourne, Vic.
1891 Jan. 13.	*DUNCAN, ANDREW ..	Brunstane Rd., Portobello, N.B.
1884 Dec. 2.	DUNCAN, DAVID JOHN RUSSELL ..	Kilmux, Leven, Fife, N.B.
1884 May 27.	DUNCANSON, THOMAS ..	Municipal Offices, Liverpool.
1888 Mar. 6.	DUNELLI, CYRIL ..	Kodaikanal, Madura, Madras.
1887 Dec. 6.	*DUNLOP, HERBERT IIY. GRAHAME ..	S. Mahratta Ry., Poona, Bombay.
1885 Mar. 3.	*DUNLOP, THOMAS ..	G.P.O., Melbourne, Victoria.
1876 Jan. 11.	*DUNN, EDWARD ALEXANDER ..	6 Delahay St., Westminster, S.W. [W.C.
1890 May 20.	DUNN, GEORGE BICKHAM ..	10 Sardinia St., Lincoln's Inn Fields,
1885 Jan. 13.	DUNN, PETER ..	1218 Hyde St., San Francisco, Cal.
1883 Mar. 6.	DUNPHY, AUGUSTINE LOUIS ..	Osborne House, Potter's Bar. [U.S.
1892 Dec. 6.	*DUNSCOMBE, NICHOLAS ..	Municipal Offices, Cheltenham.
1879 Feb. 4.	*DUNSTON, ROBERT EDWARD ..	68 Foster Block, Hartford, Conn., U.S.
1891 May. 5.	*DUPRÉ, EDWARD DOWNES ..	117 South View Rd., Sharroff, Shif'dl.
1887 Dec. 6.	DUQUEMIN, JAMES HENRY ..	1 Imperial Ter., Couture, Guernsey.
1893 May 2.	DURNFORD, FK. GEORGE DUNDAS ..	81 Mansion House Chambers, E.C.
1884 May 27.	DUTTON, SAMUEL TELFORD ..	Vulcan Ironworks, Worcester.
1893 Jan. 10.	DUXBURY, THOMAS ..	Gasworks, Darwen, Lanes.
1887 Dec. 6.	DYWER, FREDERICK LAW, B.A. ..	Govt. Rys., Kimberley, Cape Colony.
1887 May 3.	DYACK, WILLIAM ..	Town Hall, Aberdeen.
† 1891 Feb. 3.	*DYMOND, EDMUND ROBERT ..	King's School, Parramatta, N.S.W.
1890 Feb. 4.	*DYSON, ROBERT CHAS., F.C.H. ..	Grindlay, Groom & Co., Bombay.

1893 Apr. 11	EADY, GEORGE GRIFFIN ..	Rosario, Argentina.
1891 May 5.	EARL, HENRY DOUGLAS ..	L. & N. W. Ry., Crewe.
1887 Dec. 6.	*EARLY, SYDNEY CHARLES ..	Continental Ice Co., Boulogne-s/Mer.
1876 Apr. 4.	EARNSHAW, DANIEL ..	23 Mount Pleasant, Lewisham, S.E.
1880 Apr. 6.	EARNSHAW, JOHN THOMAS ..	Boro' Surveyor, Ashton-under-Lyne.
1883 May 29.	EAST, ROWLAND HARRY ..	Ferro Carriles, Trujillo, Peru.
1887 Dec. 16.	EASTHAM, JAMES COOK ..	Waterworks Office, Manchester.
1867 Dec. 3.	EASTMAN, THOMAS ..	Valparaiso, Chili.
1891 Mar. 3.	*EASTON, JAMES RAMMELL ..	18 Waldeck Rd., Ealing, W.
1867 Dec. 3.	EASTON, JOHN MARSHALL ..	Redholm, Helensburgh, N.B.
1877 Apr. 10.	EATON, EDWARD MICHAEL ..	Waterworks Office, Sheffield.
1885 Dec. 1.	EATON-SHORE, GEORGE ..	Boro' Surv.'s Off., Crewe.
1883 Feb. 6.	EAYRS, JOHN THOMAS ..	Boro' Eng., Town Hall, W. Bromwich.
1888 May 1.	ECKERSLEY, WILLIAM ALFRED ..	12 Victoria Street, S.W.
1878 Feb. 5.	ECKSTEIN, WILLIAM ..	187 Union St., Borough, S.E.
1883 Dec. 4.	*EDE, FRANCIS JOSEPH ..	Silchar, Cachar, India.
1885 May 19.	EDEN, JOSEPH ..	Carlton Villa, Workington.
1889 May 7.	*EDGE, FREDERIC JAMES ..	Local Board, Cleator Moor.
m † 1883 May 29.	*EDINGER, WILLIAM HENRY ..	35 Salmon's Lane, Limehouse, E.
1883 Feb. 6.	EDWARDS, ANGELO EMANUEL ..	19 Clifford St., Paisley Rd., Glasgow.
1875 Dec. 7.	*EDWARDS, GEORGE SELWYN ..	Kingsdown, Newbury.
1867 Dec. 3.	EDWARDS, JOHN HYDE ..	41 Chaucer Rd., Bedford.
1886 Dec. 7.	{ *EDWARDS, OSBORNE ANTHONY GEORGE ..	L. & S. W. Ry., Waterloo, S.E.
1887 Dec. 6.	*EDWARDS, WALTER CLEEVE ..	Midland Ry., Greymouth, N.Z.
1890 Jan. 14.	*EDWARDS, WILLIAM BEN ..	The Island, Rochestown, co. Cork.
1890 Mar. 4.	{ *EGERTON, CLAUDE FRANCIS ARTHUR ..	Bengal-Nagpur Ry., Goilkora, Bengal.
1881 May 31.	*EGERTON, ROBERT WALTER ..	P. W. D., Quetta, Beloochistan.
1889 Apr. 2.	ERIK, TOM CHARLES ..	12 Little Queen St., Westr., S.W.
1880 Dec. 7.	ELDRIDGE, JAMES ..	Gasworks, Oxford.
1885 Dec. 1.	*ELLIOTT, GILBERT FRANCIS ..	Townsville, Queensland.
1881 Mar. 1.	ELLERY, CHARLES STAFFORD ..	GasL. & C.C., Up. Bristol R.l., Bath.
1885 Dec. 1.	*ELLIOT, EDMUND COLVILE ..	King, King & Co., Bombay.
1886 Dec. 7.	*ELLIOT, GODFREY TURNBULL ..	158 Great Dover Street, S.E.

Date of  
Election.

ASSOCIATE MEMBERS.

1890 May 20.	ELLIOT, MICHAEL .. . . .	{ Empire Bldgs., Collins St., Melbourne, Victoria.
1885 May 19.	ELLIOT, WILLIAM .. . . .	Smith, Youle & Co., Caixa 776, Rio
1888 Dec. 4.	ELLIS, EDWARD .. . . .	G. N. Ry., Leeds. [de Janeiro.
1887 Dec. 6.	*ELLIS, REGINALD EATON ..	Municipal Office, Madras.
1880 Dec. 7.	ELLIS, ROBERT .. . . .	101 George Street, Edinburgh.
1888 May 1.	ELLIS, WILLIAM HENRY ..	Atlas Works, Sheffield.
1886 Apr. 6.	ELMORE, JOHN OLIVER SURTEES ..	Eastern Electric Light Co., Bombay.
1891 May 5.	ELMS, FRANCIS .. . . .	G.W.Ry., Low Level, Wolverhampton.
1884 May 27.	ELSTON, JOHN .. . . .	H. S. King & Co., 65 Cornhill, E.C.
1884 Jan. 8.	ELSWORTHY, EDWARD HOUTSON ..	Richardson & Cruddas, Bombay.
1881 Mar. 1.	ELTON, CHARLES TIERNEY ..	G. I. P. Ry., Igatpuri, Bombay.
1871 Dec. 5.	EMANUEL, BARROW, M.A. ..	2 Finsbury Circus, E.C. [S.W.
1892 Feb. 2.	*EMERSON, AMBROSE, JUN. ..	St. Helens, Palace Rd., Streatham Hill,
1893 Feb. 7.	EMMOTT, WALTER .. . . .	(Blakey, Emmott & Co., Square Rd., Halifax. [S.E.]
1892 Jan. 12.	*ENGLISH, BERTRAM WILLIAM ..	The Firs, Princes Rd., Lewisham,
1889 Feb. 5.	*ENGLISH, FREDERICK HENRY ..	9 Alderville Rd., Fulham, S.W.
1892 Dec. 6.	*ENNIS, THOMAS FREDERICK ..	Gas Lt. & Coke Co., Nine Elms, S.W.
1881 Feb. 1.	ENNOR, CHARLES JOHN ..	42 Rua da Bella Vista, Foz, Oporto.
1887 May 24.	*ERAUT, GEORGE .. . . .	Gasworks, Braintree.
1890 May 6.	ESSON, WILLIAM BEEDIE ..	Gulcher Electric Lt. Co., Wellington
1874 Dec. 1.	ESTALL, GEORGE .. . . .	Rd., Battersea, S.W.
1892 Dec. 6.	*ESTCOURT, ARTHUR JOHN ..	M.Dist. Ry., W. Brompton Wks., S.W.
1851 Apr. 1.	ETTY, THOMAS BODLEY ..	Arc Works, Chelmsford.
m ♫ 1887 Apr. 5.	*EUNSON, HENRY JOHN ..	Belmont Road, Scarborough.
1871 Feb. 7.	EUNSON, JOHN .. . . .	John Eunson, Northampton.
1881 Mar. 1.	EVANS, ARTHUR CLEMENT ..	Gasworks, Northampton.
1879 Feb. 4.	EVANS, ARTHUR GEORGE ..	Ganges Canal Rurki, India.
1887 Dec. 6.	*EVANS, EDGAR IVOR ..	Fairsnape, Weybridge.
1892 Mar. 1.	EVANS, EVAN .. . . .	30 Newport Road, Cardiff.
1878 Feb. 5.	EVANS, JENKIN JOHN ..	County Surveyor, Carnarvon.
1892 Mar. 1.	EVANS, WILLIAM .. . . .	Sunny Side, Penarth, Cardiff.
1890 Dec. 2.	EVANSON, FRED. MACDONNELL ..	Drainage Works, Beverley, Yorks.
1885 Jan. 13.	*EVELEGH, LEWIS FREDERICK ..	United Club, Dale St., Liverpool.
1886 Feb. 2.	EVERETT, JOHN EDWARD ..	Shide House, Newport, I.W.
1891 Dec. 1.	*EVINGTON, HERBERT ..	Roads Office, Maclean, N.S.W.
1882 Dec. 5.	EWENS, PAUL .. . . .	10 Barmston Street, Hull.
		Gruna, Wimbledon.
1868 Jan. 14.	FABER, WILLIAM COOKE, M.A. ..	Strode Manor, Beaminster, Dorset.
1883 May 1.	*FAIRBANK, FRANK GRAHAM ..	Waterworks, Driffield, Yorks.
1893 Jan. 10.	{ *FAIRGRIEVE, EDGAR HUNTER, B.Sc. .. . . .	40 Marchmont Crescent, Edinburgh.
1891 Feb. 3.	*FAIRHOLME, FREDK. CHAS. ..	52 Avonmore Road, W.
1886 Apr. 6.	*FAIRLEY, WILLIAM .. . . .	Main Sewerage Board, Mortlake.
1890 Jan. 14.	FAKIR CHAND, <i>Rai Sahib</i> ..	P.W.D., Ellichpur, India.
1880 Feb. 3.	*FAREWELL, CHAS. WM. FREKE ..	Westwood, Lansdown, Bath.
1891 Dec. 1.	FARQUHARSON, ROBT. NESHAM ..	G.S. Pain, Tea Co., Debrogur, Assam.
1892 May 24.	*FARQUHARSON, THOMAS, B.Sc. ..	3 Scotswood Terrace, Dundee.
1892 May 3.	*FARR, CLINTON COLERIDGE, B.Sc. ..	St. Paul's College, Sydney, N.S.W.
1892 Feb. 2.	FARR, WILLIAM BEAN ..	The Laurels, Latchford, Warrington.
1868 Jan. 14.	FARREN, GEORGE .. . . .	Carnarvon.
1875 May 4.	*FAVELL, THOMAS MILNES ..	Etruria Iron Wks., nr. Stoke-on-Trent.
1893 May 16.	{ *FAWCETT, EDMUND ALDERSON, SANDFORD .. . . .	13 Victoria Street, S.W.
1883 Mar. 6.	FAWCETT, RICHARD .. . . .	1 Prince's Dock Chambers, Hull.
1889 May 21.	*FAWCUS, ALFRED .. . . .	Govt. Rys., Natal. [Manchester.
m m ♫ 1888 May 1.	*FAWCUS, WILLIAM PAUL JAMES ..	Edison-Swan Co., 14 St. Ann's Sq.,
1887 Feb. 1.	*FEARON, HENRY SOMERVILLE ..	Secretan & Co., 5 Gt. Winchester St.,
1884 Dec. 2.	FENDER, DAVID THOMAS ..	10 Victoria Street, S.W. [E.C.]

Date of  
Election.

## ASSOCIATE MEMBERS.

1874 Dec. 1.	*FENWICK, CHARLES RICHARD ..	Albany, Western Australia.
1872 Jan. 9.	FENWICK, JOHN .. .. ..	4 Great George Street, S.W.
1892 May 3.	*FERGUSON, JOHN .. .. ..	160 Hope Street, Glasgow.
1891 Jan. 13.	*FERGUSON, JOHN DUNN .. ..	Casilla 1136, Buenos Ayres.
1884 Dec. 2.	*FERGUSSON, JOHN COLEMAN ..	{ 622 Second St., Seattle, Washington, U.S.
1886 Jan. 12.	{ FERNAU, JOHN JAMES CON- STANTINO .. .. ..	La Baranca de Cobre, Chihuahua, Mexico.
1884 Dec. 2.	{ *FERREIRA, EDUARDO DE MO- RAES GOMES .. .. ..	Pernambuco, Brazil.
1868 May 5.	FERREIRA, JOÃO NERI .. ..	Rio de Janeiro. [Brazil.
1891 Dec. 1.	*FESTA, GIULIO .. .. ..	Rio Grande do Sul, F. C. del Sud,
1876 Jan. 11.	{ *FOLKES, MARTIN WILLIAM BROWNE .. .. ..	11 Delahay St., Westminster, S.W.
1893 Mar. 7.	FIDLER, ALFRED .. .. ..	Boro' Eng.'s Office, Blackburn.
1893 Jan. 10.	FIDLER, HENRY .. .. ..	Admiralty, 21 Craven St., W.C.
1873 May 6.	FIELD, EDWARD .. .. ..	22 Buckingham Street, W.C.
1882 Dec. 5.	*FIELDEN, EDW. BROCKLEHURST ..	Old Headington, Oxford.
1892 Feb. 2.	FINCH, ALFRED ROBERT ..	Town Hall, Kensington, W.
1888 Jan. 10.	FINLAY, GEORGE JAMES ..	Glanyravon, nr. Wrexham.
1892 Dec. 6.	*FINLAY, ROBERT .. .. ..	Local Board, Bromley, Kent.
1882 May 2.	FINNEY, JAMES BABBETT ..	P.O. Box 16, Georgetown, Demerara.
1886 Feb. 2.	*FINNIMORE, BENJAMIN KINGTON ..	Kendarea, Darjeeling, India. [U.S.
1886 Apr. 6.	*FIRTH, CHARLES .. .. ..	U.S. Asst. Eng., Wetumpka, Ala., Murwillumbah, Tweed River, N.S.W.
1884 Dec. 2.	*FIRTH, GEORGE SEPTIMUS ..	Bd. of Works, Brisbane, Queensland.
1883 Dec. 4.	*FIRTH, SYDNEY .. .. ..	Rose Mount, Glenelton Rd., Streatham.
1886 Mar. 2.	FISH, ROBERT .. .. ..	L. B. & S. C. Ry., Brighton. [ham.
1889 Jan. 8.	FISHER, HENRY BEDWELL ..	Christ's College, Finchley, N.
1888 May 15.	FISHER, OSMOND PHILIP, M.A. ..	26 Victoria Rd., Up. Norwood, S.E.
1885 Dec. 1.	*FISHER, SACKVILLE .. .. ..	2 Afton Cottage, Midton Rd., Ayr.
1891 Apr. 7.	*FISHER, WILLIAM DIXON ..	Town Hall, Hounslow. [N.B.
1890 Feb. 4.	*FITT, JOHN EDWARD ..	P.W.D., Blenheim, Marlborough, N.Z.
1889 May 7.	FITZGERALD, GERALD .. .. ..	69 Botanic Avenue, Belfast. [N.S.W.
1876 Dec. 5.	{ *FITZGERALD, MAURICE FREDE- RICK, B.A. .. .. ..	Roads and Bridges Dept., Sydney, Ship Canal, Eastham, Cheshire.
1890 Dec. 2.	FITZ-GERALD, ROBERT DAVID ..	1 Yabsley St., Poplar, E.
1883 May 29.	*FITZGIBBON, GERALD .. .. ..	L. D. & E. C. Ry., Chesterfield.
m 1887 Feb. 1.	*FITZMAURICE, MAURICE, B.E. ..	32 Duffield Rd., Derby.
1886 Dec. 7.	FITZ-PATRICK, ROBERT PERSE ..	23 Tomblard, Norwich.
1893 May 16.	FLACH, JAMES .. .. ..	Wellbank, Homebush, Sydney, N.S.W.
1880 May 25.	*FLATT, BERNARD WILLIAM ..	Waterworks, Benares, India.
1889 Dec. 3.	*FLAVELLE, ALBERT EDWARD ..	Cale Green Villa, Stockport.
1890 Dec. 2.	FLAVIN, WILLIAM RICHARD ..	35 Parliament Street, S.W.
1891 May 5.	*FLETCHER, GEORGE EDWIN ..	4 Rectory Ter., Gosforth-on-Tyne.
1893 May 2.	*FLETCHER, HENRY LAVINGTON ..	Boro' Engineer, Durban, Natal.
1875 Feb. 2.	*FLETCHER, JAMES RICHARD ..	L. & N.W.Ry., London Rd., Manchester.
1887 May 24.	FLETCHER, JOHN .. .. ..	{ A. M. Tippett, Ry., Barberton, Transvaal.
† 1886 Feb. 2.	FLETCHER, JOHN WILLIAM ..	Bashee River Bridge, Cape Colony.
1892 Dec. 6.	*FLETCHER, PATRICK .. .. ..	Assist. Commr. for Ceylon, Columbian Exposition, Chicago, U.S.
1891 Dec. 1.	*FLETCHER, ROBT. ALEXANDER ..	Denfield, Dorking.
1892 Dec. 6.	{ FLETCHER, WM. WELLESLEY POLE .. .. ..	Bursledon, Southampton.
1875 Feb. 2.	FLOOD, FREDERICK, M.A. .. ..	Bursledon, Southampton.
1884 May 27.	*FOORD, ALFRED MONTAGUE ..	Timsbury, near Bath.
1890 May 20.	FOORD, HERBERT TAYNTON ..	York Engineering Co., York.
1887 Mar. 1.	FOOT, FREDERICK ROBERT ..	Ry. Dept., Perak, S.S.
1888 Mar. 6.	*FORBES, ANDREW .. .. ..	11 High Street, Portsmouth. [Derby.
1879 May 6.	*FORBES, JAMES STAATS, JUN. ..	Marehay Main Colliery, Ripley,
1873 May 6.	FORD, ARCHIBALD HENRY ..	Calle Buen Orden 930, Buenos Ayres.
1892 May 24.	*FORD, CHAS. FREDK. VERNON ..	Calle Venezuela 3218, Buenos Ayres.
1883 May 29.	*FORD, HENRY WALTER .. ..	
1889 Jan. 8.	*FORD, HUGO ROBERT .. ..	

Date of Election.	ASSOCIATE MEMBERS.			
1889 Apr. 2.	FORD, JAMES THOMAS .. ..			{ Nicaragua Canal Office, 44 Wall St., New York, U.S.
1891 Dec. 1.	FORD, JOHN CUNNINGHAM .. ..			Tancred, York.
1890 Apr. 1.	FORDER, WALTER GEORGE .. ..			Board of Works, Plumstead.
1890 Apr. 1.	FORREST, ALFRED .. ..			Moseley Hall, nr. Wolverhampton.
1883 Mar. 6.	FORREST, BENJAMIN JAMES .. ..			Central Bahia Ry., Bahia, Brazil.
1882 Dec. 5.	FOSTER, EDWD WM. PERCEVAL .. ..			P.W.D., Cairo.
1890 Dec. 2.	FOSTER, FRANK .. ..			F. C. Oeste, Tolosa, Argentina.
1891 Dec. 1.	*FOSTER, HY. LLEWELLYN THOS. .. ..			Electric Supply Corp., Davies St., W.
1893 Mar. 7.	*FOSTER, JOHN FRANCIS .. ..			3 Clarence Ter., St. Luke's, Cork.
1890 Feb. 4.	FOTHERGILL, JOHN REED .. ..			1 Bathgate Ter., West Hartlepool.
1886 Mar. 2.	FOWLE, FULWAR CRAVEN .. ..			Nagpur, C.P., India. [Preston.]
1889 Jan. 8.	*FOWLER, ALEX. FARQUHARSON .. ..			Ribble Navigation, Preston. (Ribble,
1889 Dec. 3.	FOWLER, ALFD. MOUNTAIN, Jun. .. ..			8 Warren Street, Stockport. (57.)
1892 Dec. 6.	*FOWLER, COLIN PROUD .. ..			Ribble Navigation, Preston.
1887 Dec. 6.	FOWLER, THOMAS WALKER .. ..			317 Collins St., Melbourne, Victoria.
1885 Feb. 3.	FOWLER, WM. HENRY, Wh. Sc. .. ..			{ 6 Victoria Station Approach, Man- chester.
1886 Feb. 2.	*FOX, CHARLES HEYLAND .. ..			Broad St. Ho., Old Broad St., E.C.
1873 Feb. 4.	FOX, FRANCIS WILLIAM .. ..			14 Dean's Yard, Westminster, S.W.
1890 Feb. 4.	*FOX, GUILHERME HENRIQUE .. ..			Govt. Eng.'s Office, Selangor, S.S.
1893 Jan. 10.	*FOX, JOHN RICHARD STRATFORD .. ..			University College, Gower St., W.C.
1872 Mar. 5.	FOX, WILLIAM HENRY .. ..			Boro' Eng. & Sur., Barrow-in-Furness.
1884 Feb. 5.	FRANCIS, HARRY .. ..			Waterworks Office, Devonport.
1884 Dec. 6.	FRÄNCKEL, EDWARD .. ..			Atlas Works, Stockholm.
1879 Feb. 4.	FRANCKEN, WILLIAM AUGUSTUS .. ..			Grindlay's, 55 Parliament St., S.W.
1891 Apr. 7.	FRANKLIN, LUKE, B.E. .. ..			Glendower Grove, Monton, Eccles.
1892 May 3.	FRASER, ALEXANDER ORME .. ..			Madresfield, Malvern.
1881 Dec. 6.	*FRASER, ERNEST GORDON .. ..			H. S. King & Co., 65 Cornhill, E.C.
1890 Apr. 1.	FRASER, WILLIAM .. ..			14 Radnor Rd., Canton, Cardiff.
1873 May 20.	FRASER, WILLIAM JOHN .. ..			121 Adelaide Rd., Hampstead, N.W.
1891 Jan. 13.	FRAZER, THOMAS .. ..			114 Broadway, Plaistow, E.
1893 May 2.	FREEMAN, FRANCIS BREAKY .. ..			{ Kingsley & Brewer, 44 Broadway, New York, U.S.
1877 Dec. 4.	FREEMAN, HENRY SOMERSON .. ..			Gasworks, Wandsworth, S.W.
1884 Feb. 5.	FRENCH, JAMES .. ..			Allen, French & Co., Kimberley, C.C.
1890 Dec. 2.	FREW, ROBERT DIXON ALISON .. ..			{ A. Overend & Co., Brisbane, Queens- land. [head.
1891 Apr. 7.	{ *FRIEDERICHS, HERBERT FERDI- NAND .. .. .. ..			The Bungalow, Holyport, Maiden-
1888 Feb. 7.	*FROBISHER, EDWARD .. ..			12 Clifton Rd., Halifax.
1884 Dec. 2.	FROGGATT, WILLIAM .. ..			Chapeltown, Sheffield.
1882 Dec. 5.	*FROST, HENRY FRANCIS BURNES .. ..			King, Hamilton & Co., Calcutta.
1886 Dec. 7.	FRY, WILLIAM HENRY .. ..			Portland Ho., Bury Rd., Gosport.
1866 Dec. 4.	FRYER, JOSEPH BREEDON .. ..			110 Cannon Street, E.C. [Japan.]
1887 Dec. 6.	FUKIKURA, KENTATSU .. ..			4 Atagomachi Sancho me, Shiba, Tokio,
1890 Jan. 14.	FULTON, DAVID .. ..			5 John Dalton Street, Manchester.
1888 Jan. 10.	{ GAFFNEY, FRANCIS SEBASTIAN .. ..			P.W.D., Singapore, S.S.
	BURKE .. .. .. ..			
1892 Dec. 6.	*GAGE, JOHN FRANKLIN .. ..			Señor Restrepo, Honda, U.S. Colombia.
1877 May 29.	GALBRAITH, JOHN, M.A. .. ..			School of Practical Science, Toronto.
m 1889 May 21.	*GALE, CHARLES HENRY .. ..			Public Works Office, Hong Kong.
1884 Feb. 5.	GALE, ROBERT MACNISH .. ..			Victorian Water Supply, Melbourne.
1891 Mar. 3.	*GALES, ROBT. RICHD., F.C.I.I. .. ..			King, King & Co., Bombay.
‡ 1884 May 27.	GALLON, WILLIAM .. ..			Vestry Hall, Upper St. Islington, N.
1877 Dec. 4.	*GALLOWAY, THOS. LINDSAY, M.A. .. ..			Argyll Colliery, Campbeltown, N.B.
1880 Dec. 7.	GAMBLE, SIDNEY GOMPERTZ .. ..			Fire Brigade, Southwark, S.E.
1892 Dec. 6.	GANDON, JOHN .. ..			Ottoman Gas Company, Smyrna.
1889 Mar. 5.	*GARBUTT, MATTHEW .. ..			10 Marlborough Hill, N.W.
1887 May 3.	GARDINER, JAMES .. ..			Shire Engineer, Berwick, Victoria.

Date of Election.	ASSOCIATE MEMBERS.
1875 Feb. 2.	*GARDINER, JOSEPH JONES .. ..
1890 Apr. 1.	*GARLAND, ERNEST TALBOT COPE .. ..
1891 May 5.	*GARRARD, JOHN JERVIS .. ..
1890 Dec. 2.	GARRETT, HENRY AUGUSTUS .. ..
1891 Dec. 1.	GARSON, GEORGE, B.Sc. .. ..
1892 May 24.	GARTHWAITE, JOHN GEORGE .. ..
1892 Jan. 12.	GASKELL, JOHN BERRIDGE .. ..
1891 Feb. 3.	*GATES, CHASEMORE PHILIP .. ..
1882 Dec. 5.	*GATES, WILLIAM HAYDEN .. ..
1887 Apr. 5.	GATT, LORENZO .. ..
1893 Mar. 7.	*GELSTON, ROBERT .. ..
1882 Dec. 5.	*GEORGE, DUNCAN .. ..
1890 Dec. 2.	GHOSH, JOGINDRA NATH .. ..
1866 Feb. 6.	GIBB, EASTON .. ..
1892 Feb. 2.	GIBBINS, WILLIAM DICKINS .. ..
1888 May 15.	GIBBON, EDWARD HARVEY .. ..
1874 May 5.	*GIBBONS, CHARLES PRESTON .. ..
1889 Feb. 5.	GIBBONS, GEO. BENJN. ALBERT .. ..
m † 1891 Dec. 1.	*GIBBS, LAWRENCE .. ..
1893 Jan. 10.	*GIBSON, GEORGE LAMBERT .. ..
1890 Jan. 14.	*GIBSON, NORMAN WALTER JOHN .. ..
† 1868 May 5.	GIBSON, THOMAS .. ..
1885 Dec. 1.	*GIFFORD, EDWARD .. ..
1890 Jan. 14.	*GIFFORD, HERBERT JAMES .. ..
1891 May 5.	{ *GILBERT, CHARLES HUMPHREY, Wh.Sc. .. ..
1885 Dec. 1.	*GILES, WALTER .. ..
1883 Dec. 4.	GILL, ALBERT AUGUSTUS .. ..
1886 May 4.	GILL, JOHN .. ..
1888 Apr. 10.	GILL, JOHN .. ..
† 1878 Feb. 5.	*GILL, JOHN CHARLES .. ..
1884 Mar. 4.	*GILL, LEONARD ALDRIDGE .. ..
1886 Dec. 7.	GILLESPIE, JOHN .. ..
1889 Dec. 3.	GILLIES, JAMES DOUGLAS .. ..
1889 Dec. 3.	*GILLINGHAM, ALFRED JOHN .. ..
1891 Dec. 1.	GILMOUR, ROBERT .. ..
1862 Feb. 4.	GIRDLESTONE, HENRY JOHN .. ..
1884 Dec. 2.	*GLEADLOW, FREDERIC .. ..
1892 Dec. 6.	GLEDHILL, TOM .. ..
1886 Jan. 12.	GLOVER, JAMES, M.A. .. ..
1887 Dec. 6.	GLOVER, RALPH STEPHEN, M.E. .. ..
1891 Dec. 1.	*GLOVER, THOMAS .. ..
† 1888 Dec. 4.	*GLOYNE, ROBERT MAYNARD .. ..
1885 Feb. 3.	Godai, RIYOSAKU .. ..
1891 Mar. 3.	GODFREY, ARTHUR HILL .. ..
1888 Apr. 10.	GODFREY, ROBERT .. ..
1879 May 6.	*GODFREY, WILLIAM BERNARD .. ..
1880 Dec. 7.	*GOOCHE, GEORGE .. ..
1888 Dec. 4.	*GOOD, GEORGE LACY .. ..
1890 Mar. 4.	*GOODALL, CLARENCE NOËL .. ..
1886 Apr. 6.	*GOODALL, THOMAS EDWARD .. ..
1878 Feb. 5.	*GOODFELLOW, AR. TRETHONIAN .. ..
1884 Apr. 1.	GOODFELLOW, CHARLES EDWARD .. ..
m † 1887 Dec. 6.	*GOODMAN, Prof. JOHN, Wh.Sc. .. ..
1880 Jan. 13.	GOODWIN, GEO. ABRAHAM, Wh.Sc. .. ..
1889 Apr. 2.	GOODYEAR, HERBERT .. ..
1890 Dec. 2.	GORDON, CHARLES GRIMSTON .. ..
1888 Apr. 10.	GORDON, HENRY ANDREW .. ..
1886 Dec. 7.	GORDON, WEBSTER BOYLE .. ..
1874 Jan. 13.	GORE, JOHN ELLARD .. ..
	Midland Ry., Paysandu, Uruguay.
	Taiping, Perak, S.S.
	Mozambique.
	Town Surveyor, Torquay.
	Hoddle St., Richmond, Victoria.
	Engineer's Office, Guildhall, E.C.
	Ry. & Estate Co., Milford Haven.
	13 Springbank, Bradford.
	11 Park Av., Willesden Green, N.W.
	10 Strada Seconda, Floriana, Malta.
	74 George Street, Limerick.
	King, King & Co., Bombay. [cutta.
	9 Sreenath Das' La., Bowbazar, Cal-
	Beamsley Hall, near Skipton.
	63 Victoria Road, Northampton.
	Asst. City Eng., Brisbane, Queens-
	3 Marine Parade, Gravesend, Iland.
	Eccles St.Gaswks., Liverpool.
	P.W.D., Hong Kong. [N.B.
	Kirkcaldy & District Ry., Kirkcaldy,
	43 Fellows Rd., S. Hampstead, N.W.
	{ 3 Victoria St., S.W. (Screwpile,
	{ London.)
	Heydon Bury, Royston, Herts.
	Lyston Court, Tram Inn, Hereford.
	24 Weltje Rd., Ravenseourt Park, W.
	The Maples, Ventnor, I.W.
	35 Commercial Road, Pimlico, S.W.
	Boro' Surveyor, Bangor.
	Imperial Road, Fulham, S.W.
	Municipal Offices, Peterboro'.
	40 Carlton Rd., Manor Park, Essex.
	Government Rys., Cape Town, C.C.
	P.W.D., Wellington, N.Z.
	Casilla Correos 1669, Buenos Ayres.
	Municipal Buildings, Greenock, N.B.
	5A Garrick St., Covent Garden, W.C.
	13 Victoria Street, S.W.
	Local Board, Heckmondwike, Yorks.
	Cromford House, Raby Mere, Brom-
	brough.
	Midland Ry., Betwa, India.
	Bengal Iron & Steel Co., Burakur,
	Town Hall, Eastbourne. [Calcutta.
	{ Handa Silver Mine, Dategoori Koori
	Shuku, Fukushima Ken, Japan.
	Cape Town, C.C.
	King's Heath, Birmingham.
	23 St. Swithin's Lane, E.C.
	Barrow Gurney, near Bristol.
	4 Woodeote Villas, Barnes.
	77 Tierney Rd., Streatham Hill, S.W.
	57 Fitzroy Rd., Regent's Park, N.W.
	II Adam St., Adelphi, W.C.
	Yorkshire College, Leeds.
	28 Victoria Street, S.W.
	Boro' Eng., Colchester.
	39 Victoria Street, S.W.
	P.W.D., Wellington, N.Z.
	H. S. King & Co., 45 Pall Mall, S.W.
	Beltra, Ballisodare, Sligo.

Date of  
Election.

## ASSOCIATE MEMBERS.

1876 Mar. 7.	GORMAN, WILLIAM AUGUSTUS	{ 187 Westminster Bridge Road, S.E. (Siebe, London.)
1887 May 3.	GOSLETT, CHARLES ALFRED ..	{ Crane Elevator Co., 219 So.Jefferson St., Chicago, U.S.
1877 Dec. 4.	*GOTTO, ARTHUR CHARLES ..	Corry & Co., Princes Dock, Belfast.
1884 Dec. 2.	*GOTTO, PERCY MURLY ..	116 Gresham House, E.C.
1882 May 2.	GOULD, ROBERT .. ..	F. C. del Sud, Buenos Ayres.
1892 Jan. 12.	GOULDEN, THOMAS .. ..	Gasworks, Beckton.
1891 Feb. 3.	GOUMENT, CHARLES ERNEST VERNER	P. W. D., Simla, India.
1891 Dec. 1.	GOW, JOHN .. .. ..	Mount Barker, South Australia.
1884 May 27.	GRAÇA, JOAO CORDEIRO DA ..	Gonçalves Dias 73, Rio de Janeiro.
1878 Feb. 5.	GRAFTON, ALEXANDER .. ..	Vulcan Works, Bedford. (Grafton,
1874 Apr. 14.	GRAHAM, FRANCIS EDMOND ..	120 Mount Street, W. (Bedford)
1891 Dec. 1.	GRAHAM, JOHN .. ..	8 Enmore Park, So. Norwood, S.E.
1893 Apr. 11.	GRAHAM, MAURICE .. ..	46 Valmar Rd., Denmark Hill, S.E.
1891 Dec. 1.	GRAHAME, WILLIAM HENRY ..	Midland Ry., Greymouth, N.Z.
1877 May 1.	GRANT, ALEXANDER .. ..	P.W.D., Agra, India.
1857 Feb. 3.	GRANT, CHARLES HENRY ..	Addlestone, Hobart, Tasmania.
1883 Dec. 4.	GRANT, ROBERT CAMPBELL ..	13 Walbrook, E.C.
1870 Apr. 5.	*GRAVELL, DAVID .. ..	6 Queen Anne's Gate, S.W.
1886 Jan. 12.	GRAY, ANDREW PATON .. ..	D. F. Mitchell, Colombo, Ceylon.
1888 May 15.	GRAY, CHRISTIAN HAMILTON ..	Telegraph Works, Silvertown, E.
1892 Jau. 12.	*GRAY, HENRY HOLMES ..	Claygate, Surrey.
1875 Mar. 2.	GRAY, MATTHEW .. ..	Lessness Pk., Abbey Wood, Kent.
1891 Apr. 7.	GRAY, WILLIAM .. ..	44 Broad Street, Birmingham.
1888 May 15.	GRAY, WILLIAM ERNEST .. ..	Telegraph Works, Silvertown, E.
1891 May 5.	GRAY, WILLIAM WYTHERS ..	4 Benet Street, Cambridge.
1885 May 19.	GREATHEAD, WALTER HORATIO	15 Victoria Street, S.W.
1890 Dec. 2.	*GREATOREX, ALBERT DANIEL	Local Board, Sutton, Surrey.
1888 Apr. 10.	GREEN, EDWARD BAKER .. ..	Burdett Works, Limehouse, E.
1887 Apr. 5.	*GREEN, GEORGE .. ..	Vestry Hall, Upper St., Islington, N.
1891 Dec. 1.	*GREEN, GEORGE WILLIAM ..	Muirhead & Co. 2 Princes St., Westr.,
1879 Apr. 1.	GREEN, HENRY .. ..	Gas Company, Preston. [S.W.]
1890 Dec. 2.	*GREEN, JN. MAXWELL SULLIVAN	Air Hill, Glanworth, co. Cork.
1889 Apr. 2.	*GREEN, ROBERT .. ..	Clarence Rd., King's Heath, Birmih'm.
1891 Dec. 1.	*GREEN, ROBERT HARRY MORRIS	{ F. C. Rosario, Casilla 104, Buenos
1887 Dec. 6.	GREENE, WM. HY. MACKENZIE	Ayres.
1885 Mar. 3.	GREENHILL, FREDERICK MORRIS	6 Lullington Rd., Anerley, S.E.
1865 May 2.	GREENHILL, THOMAS ARTHUR	1 Church Rd., Penarth, nr. Cardiff.
1884 Apr. 1.	GREENLEES, ARCHIBALD ..	Salesas, 4, Madrid.
1891 Dec. 1.	GREENWELL, ALLAN .. ..	P.O., Renmark, South Australia.
1878 May 7.	*GREENWOOD, WILLIAM .. ..	Surveyor's Office, Fromefield, Frome.
1882 Dec. 5.	GREGORY, GEORGE .. ..	Croydon, nr. Sydney, N.S.W.
1892 Feb. 2.	*GREGSON, GEORGE LEOPOLD ..	[Hampton.
1889 Feb. 5.	*GREGSON, HERBERT BOYS, Wh. Sc.	Electric Construction Corp., Wolver-
1890 May 6.	GREGSON, JOHN .. ..	130 Queen's Rd., Finsbury Park, N.
1886 Dec. 7.	GREIG, ALFRED BURNESS ..	Woodbine House, Padham, Lancs.
† 1875 Apr. 6.	GREIG, ANDREW .. ..	Belle Vue, Tayport, N.B.
1881 Dec. 6.	GRESLEY, WILLIAM STUKELEY	P.O. Box 437, Erie, Pa., U.S.
1880 Mar. 6.	GREW, NATHANIEL .. ..	9 New Broad Street, E.C.
† 1876 Dec. 5.	GRIBLE, THEODORE GRAHAM	76 Broad St., New York, U.S.
1880 Apr. 6.	*GRIERSON, CHARLES JAMES ..	San Francisco Ry., Bahia, Brazil.
1893 Jan. 10.	GRIERSON, THOMAS BENJAMIN	Dublin, Wicklow & Wexford Ry., Bray.
1881 Dec. 6.	GRiffin, BEVERLEY .. ..	South Clare Ry., Kilrush, co. Clare.
1880 May 4.	GRiffin, JOHN GEORGE ..	163 Pitt Street, Sydney, N.S.W.
1876 May 30.	*GRIFFITH, EDWD. FYFE GRIFFITH	St. Matthew's Vicarage, Surbiton.
1892 Jau. 12.	GRIFFITH, PERCY .. ..	55 Parliament Street, S.W.
1891 May 12.	GRIFFITHS, HAROLD .. ..	School Board, Victoria Embkmt., W.C.
1874 Jan. 13.*	{ GRIFFITHS, JOHN ALFRED, B.Sc.,	C. A. Spring, Five-ways, Brisbane,
	Wh. Sc.	Queensland.
1888 May 15.	*GRIFFITHS, REGINALD WILLIAM	38 Lawford Rd., Camden Rd., N.W.
1888 Feb. 7.	GRIFFITHS, THOMAS .. ..	Water Supply Dept., Sydney, N.S.W.

Date of  
Election.

## ASSOCIATE MEMBERS.

1887 Apr. 5.	GRIFFITHS, WALTER GEORGE	Rhymney Ry., Cardiff.
1878 May 28.	GRIFFITHS, WILLIAM .. ..	61 Sinclair Rd., Kensington, W.
1890 Apr. 1.	*GRIMES, ARTHUR JOHN LUND	Indian Telegraph Dept., Bombay.
1881 May 31.	GRIMES, JAMES .. ..	District Board Eng., Madura, India.
1886 Dec. 7.	*GRIMLEY, SAMUEL SLATER ..	Local Board Office, Hendon, N.W.
1879 Mar. 4.	GRIMSHAW, JAMES ROBT., B.E.	Cranmore, Ambleside, Streatham, SW.
1886 Dec. 7.	*GRITTON, CHARLES EDWARD ..	21 Great George Street, S.W.
1879 Apr. 1.	*GROSE, ARTHUR .. ..	St. Michael's Av., Northampton.
1850 Dec. 3.	GROVE, EDMUND .. ..	Norlington, Preston, Brighton.
1889 Dec. 3.	*GROVE, FRANK .. ..	Brendon View, Stow Park, Newport,
1877 May 29.	GROVES, LEONARD .. ..	72 Oakley Square, N.W. [Mon.
1889 Jan. 8.	GROVES, LEVY JOHN .. ..	Crinan Canal, Ardishaig, N.B. [gown.
1888 Feb. 7.	GRUNWELL, HARTLEY .. ..	Goodwin & Co., Motherwell, Glas-
1878 Feb. 5.	{ GUILLEMARD, ARTHUR FRANK- LIN, B.A. } .. ..	Perry & Co., Casilla 238, MonteVideo.
1884 Jan. 8.	*GUINNESS, ARTHUR PERCY ..	Brewery, Wotton-under-Edge.
1882 Apr. 4.	GUMBLEY, WILLIAM .. ..	12 Queen Anne's Gate, S.W.
1893 Mar. 7.	GUNDLACH, LOUIS RICHARD ..	{ Harper & Henderson, 63 Pitt St., Sydney, N.S.W.
1889 Dec. 3.	GUNYON, CHARLES JAMES ..	Earlham Grove House, Wood Green,
1880 May 25.	*GUNYON, THOMAS PERCY ..	Chislehurst, Kent. [N.
1892 Dec. 6.	GUTHRIE, JAMES KENNETH ..	Elttingham, Prudhoe-on-Tyne.
1890 Apr. 1.	GUTTMANN, OSCAR .. ..	Dunster House, Mark Lane, E.C.
1891 Dec. 1.	*GUYATT, THOMAS ALEXANDER ..	40 King Henry's Road, N.W.
1893 Jan. 10.	Gwynneth, JOHN GWYNN ..	Malcolm Rd., Wimbledon, S.W.
1884 Dec. 2.	Gwyther, WILLIAM BANKS ..	P.W.D., Secretariat, Calcutta.

T t	1884 Feb. 5	HACK, RICHARD .. ..	Chelsea Waterworks, Surbiton.
†	1885 Dec. 1.	HADFIELD, FREDERICK JOSEPH	363 Fulwood Rd., Sheffield.
†	1887 Mar. 1.	HADFIELD, ROBERT ABBOTT ..	Steel Foundry, Sheffield.
	1883 May 29.	HAGUE, JOSEPH .. ..	Town Surveyor, Buxton.
	1892 Dec. 6.	HAHN, DANIEL MEINERTS ..	Port of Spain, Trinidad.
	1885 Dec. 1.	HAIGH, JONATHAN .. ..	Town Hall, Abergavenny. [Trent.
	1879 May 27.	HAINES, JOSEPH RICHARD ..	Adderley Green Colliery, Stoke-on-Trent.
	1889 Mar. 5.	HALL, ALBERT FRANCIS ..	{ The G. F. Blake Mfg. Co., Third St., East Cambridge, Mass., U.S.
	1890 Apr. 1.	HALL, CARL .. ..	Box 172, Durban, Natal.
	1870 May 24.	HALL, CHARLES .. ..	P. & O. Co., 122 Leadenhall St., E.C.
	1892 Dec. 6.	HALL, HARRY .. ..	72 Godolphin Rd., Shepherd's Bush, W.
	1879 Apr. 1.	*HALL, HENRY THOMAS ..	{ Tregothnan, Aapies River, Pretoria, Transvaal.
	1879 Feb. 4.	HALL, JOSEPH .. ..	Municipal Offs., Cheltenham.
	1890 Feb. 4.	HALL, THOMAS BERNARD ..	119 Colmore Row, Birmingham.
	1891 Jan. 13.	HALL, WATKIN .. ..	Local Board, Gt. Crosby, Liverpool.
	1885 Feb. 3.	HALL, WM. SILVER, Wh. Sc. ..	9A Tsukiji, Tokio, Japan.
†	1881 Dec. 6.	HALLÉ, GUSTAV .. ..	Stegnsdorp, Komati Gold Fields,
	1885 Dec. 1.	HALLER, JAMES CRACROFT ..	Savile Town, Dewsbury. [Transvaal.
	1886 Mar. 2.	HALLIDAY, JOHN .. ..	Harbour Trust, Melbourne, Victoria.
	1869 Apr. 6.	HAMBLETON, FRANCIS HENRY	Hambleton & Co., Baltimore, U.S.
	1882 Feb. 7.	*HAMILTON, EDWARD ..	Rigwood, Saltburn-by-the-Sea.
	1892 Mar. 1.	HAMILTON, RICHARD GORDON	City Improvements Co., Rio de Janeiro.
	1892 May 24.	*HAMILTON, WILLIAM LEIGH ..	116 Barry Road, East Dulwich, S.E.
	1891 Feb. 3.	*HAMMOND, PHILIP .. ..	Rio Claro Ry., Rio Claro, Brazil.
	1882 May 23.	*HAMP, HENRY JOSEPH ..	Albion Buildings, New Swindon.
	1891 Dec. 1.	*HANCKEL, ROBERT STUART ..	Casilla 377, San José, Costa Rica.
	1889 May 7.	HANCOCK, WILLIAM JOHN ..	Telegraph Dept., Perth, W. Australia.
	1876 Feb. 1.	HANDLEY, HENRY JOHN ..	Water Dept., Sydney, N.S.W.
	1887 May 3.	*HANNA, SAMUEL .. ..	33 Great George Street, S.W.
	1888 Feb. 7.	*HANNAFORD, CHARLES EDWARD ..	Boro' Surv.'s Off., Swansea.
	1874 Feb. 3.	HANNAH, JOSEPH EDWARD ..	Waterworks, Winnipeg, Canada.
	1893 Feb. 7.	HANNING, THOMAS .. ..	P. O. Chams., Newcastle-on-Tyne.
	1883 May 1.	*HANSON, EDWARD BEVERSHAM ..	P. W. D., Burghersdorp, Cape Colony.



Date of Election.	ASSOCIATE MEMBERS.
1891 May 5.	HAWTREY, ALBERT NICHOLLS
1892 May 3.	HAY, DAVID .. .. ..
1875 Mar. 2.	HAY, JAS. ALEXANDER CAMERON
1890 May 6.	HAYCROFT, JAMES ISAAC, M.E.
1879 Dec. 2.	HAYES, HERBERT EDWD. HORACE
1876 Dec. 5.	HAYES, JOHN .. .. ..
1884 May 27.	HAYES, RICHARD FREDERIC FITZ-EDMUND, M.A. .. ..
1889 Dec. 3.	*HAYLLAR, HERBERT FRANCIS
1882 Dec. 5.	HEAPHY, FRANCIS BRADSTREET
1883 Feb. 6.	HEAPHY, THOMAS MUSGRAVE
1891 Apr. 7.	*HEARNE, EDW. BERESFORD, M.E.
1873 May 20.	*HEATH, ARTHUR HENRY ..
1876 Apr. 4.	HEATH, FRANIS AUGUSTUS, B.A.
1893 Feb. 7.	HEATH, REGINALD HEPBURN ..
1893 May 16.	*HEATHCOTE, CHARLES FRANCIS
1892 Jan. 12.	HEATHER, HENRY JAMES SHED- LOCK, B.A. .. .. ..
1891 Apr. 7.	HEATLIE, ARTHUR, B.A. ..
1890 May 6.	HEATLY, HARRY .. .. ..
1884 Jan. 8.	HEATON, GEORGE .. .. ..
1893 Jan. 10.	{ *HEATON-Ellis, SYDNEY THOMAS EDWARD .. .. .. ..
1889 Dec. 3.	*HEBB, SIDNEY BEDFORD BEVES
1892 Dec. 6.	HEBBERT, ERNEST GEO., B.A.
m 1886 Dec. 7.	*HEBBLETHWAITE, FRANK HIRST
1892 May 24.	HECTOR, MAXIMILIAN .. ..
1886 Mar. 2.	*HEDDERSTEDT, WM. ROBT. PAUL
1876 Dec. 5.	HEDGMAN, WM. SOUTHWOOD ..
† 1889 Feb. 5.	HEINKÉ, EDWIN HARRY ALFRED
1885 May 19.	*HELLINS, HENRY HERBERT ..
1889 Dec. 3.	HELPS, JAMES WILLIAM ..
1885 Feb. 3.	*HEMINGWAY, ABRAHAM ..
1890 Feb. 4.	{ *HENDERSON, HECTOR WILLIAM BAILLIE .. .. ..
1882 May 23.	*HENDERSON, HERBERT .. ..
1890 Mar. 4.	HENDERSON, JAMES ALLAN ..
1878 Jan. 15.	HENDERSON, JOHN JAMES ..
1892 Mar. 1.	HENDERSON, JOHN JAMES ..
1885 Jan. 13.	*HENDERSON, STEPHEN, M.A. ..
1885 May 5.	HENDERSON, WILLIAM .. ..
1893 Mar. 7.	HENNINGER, DANIEL, B.Sc. ..
1881 Dec. 6.	*HENRIQUES, CECIL QUIXANO ..
1885 Jan. 13.	HENSHELL, EDWARD .. ..
1884 Dec. 2	HENSHAW, CHARLES CORNELIUS
1892 Dec. 6.	HENSON, JOSHUA BINNINGTON
† 1889 May 7.	HENZELL, CHARLES GEORGE ..
1883 Dec. 4.	*HERBERT, ARTHUR WILLIAM ..
1893 Mar. 7.	HERBERT, DAVID WILLIAM ..
1891 Mar. 3.	HERNU, ARTHUR HENRY ..
1891 Dec. 1.	HERRIOT, WILLIAM SCOTT ..
1885 Jan. 13.	*HERSEY, GEORGE WILLIAM ..
1880 May 4.	*HESKETH, EVERARD .. ..
1885 May 19.	HESLOP, THOMAS HIND BLUMER
1878 Feb. 5.	*HESS, ALBERT JOSIAH .. ..
1877 May 29.	HETT, CHARLES LOUIS .. ..
1874 Dec. 1.	HEWAT, WILLIAM MARSHALL
1876 Feb. 1.	HEWITT, GEORGE COLTHURST
1889 May 21.	*HEWSON, GEORGE .. .. ..
1874 Dec. 1.	HEWSON, JOHN.. .. ..
	42 Osney Crescent, N.W. 1 Yabsley St., Poplar, E. Royal Arsenal, Woolwich. Ocean St., Woollahra, Sydney, N.S.W Anaradhapara, Ceylon. 30 St. Swithin's Lane, E.C.
	14 Cranley Place, Onslow Sq., S.W. Perth, Western Australia. 16 Kersley St., Battersea Pk., S.W. 19 Lombard St., E.C. Town Hall, Belfast. Royal Indian Eng. Coll., Staines. J. Quiek & Son, 36 Gt. Geo. St., S.W. Rajputana-Malwa Ry., Mhow, India. Raleigh, Castra, Tasmania.
	16 Stanley Rd., Wimbledon, S.W. Vaal River Ry., Bloemfontein, Orange 7 Hastings St., Calcutta, [Free State. King Street, Wigan.
	Clovelly, New Barnet. [Hill, N. Santa Cruz, Muswell Rd., Muswell Delhi and London Bank, Calcutta.
	Water Dept., Melbourne, Victoria. E. I. Ry., Calcutta. 75 Upper Ground Street, S.E. La Guaira Ry., Caracas, Venezuela. 28 Grosvenor Pl., Rathmines, Dublin. Gasworks, Croydon. 63 Crookham Rd., Fulham Rd., S.W.
	Brisbane, Queensland. 65 Belmont Drive, Liverpool. Water Trust, Bairnsdale, Victoria. 8 Bank Street, Dundee. Sind-Sagar S. Ry., Khewra, India. 63 Pitt St., Sydney, N.S.W. { B. Huntsman, 3 McArthur Place, Carlton, Melbourne, Victoria. 11 General Camara, Rio de Janeiro. { John H. Wilson & Co., Sandhills, Liver- pool. (Engineers, Liverpool. 2604.) Estate Office, Woolacombe, N. Devon. { 2 St. John's Hill Grove, Wandsworth, S.W. [N.S.W. Hunter District Board, Newcastle, Waterworks, Horsley, Otterburn. 61 Longridge Rd., Earl's Court, S.W. P.W.D., Jacobabad, Sind, India. 69 Victoria Street, S.W. De Willem, Demerara. 70 Berners Street, W. Dartford Ironworks, Kent. Co. Surveyor, Norwich. 7 Lothbury, E.C. [Brigg. Turbine Foundry, Brigg. (Hett, Ministry of Public Works, Cairo. Serridge Ho., Coalpit Heath, Bristol. Boro' Engineer's Office, Leeds. 9 Forbes St., Bombay.

Date of  
Election.

## ASSOCIATE MEMBERS.

1890 Dec. 2.	HICK, GEORGE WILLIAM ..	..	11 Mornington Rd., N.W.
1887 May 24.	HIDE, WILLIAM SEYMOUR ..	..	J. Samuel White, East Cowes, I.W.
1889 Dec. 3.	{ HIGGINS, THOMAS WAGHORN ELFORD .. .. ..	..	17 Victoria Grove, Chelsea, S.W.
† 1888 Dec. 4.	HIGGINS, GEORGE .. .. ..	..	Malvern, Melbourne, Victoria. [2471.]
1888 Jan. 10.	*HIGHAM, GEORGE WILLIAM ..	..	Broad St. House, E.C. (Pintle, Lond.)
1890 Feb. 4.	*HIGHET, DAVID JOHN ..	..	Kuala Lumpor, Selangor. S.S.
1884 Dec. 2.	*HIGHET, ROBERT SWAN ..	..	East Indian Ry., Calcutta.
1883 May 1.	*HIGHT, ARTHUR EDWARD ..	..	Grindlay, Groom & Co., Bombay.
1891 Mar. 3.	*HILDRED, EDWARD THOMAS ..	..	Town Hall, St. Helen's, Lancs.
1889 May 7.	HILL, ALEXANDER .. .. ..	..	Campanas 15, Cordova, Spain.
m † 1888 May 15.	*HILL, ALFRED JOHN, Wh. Sc.	..	24 Hamfrith Rd., Stratford, E.
1884 Jan. 8.	*HILL, ARTHUR, F.C.H. ..	..	King, King & Co., Bombay.
1893 May 2.	HILL, CLAUDE WILLIAM ..	..	Paterson & Cooper, Pownall Rd.,
1891 Dec. 1.	HILL, ERNEST PRESCOT ..	..	3 Victoria Street, S.W. [Dalston, N.E.]
1887 Dec. 6.	HILL, HENRY ASHTON ..	..	51 Falkland Rd., Egremont, Cheshire.
1873 Apr. 1.	HILL, JAMES WOODWARD ..	..	Ironworks, Bedford. (Hill, Bedford.)
1892 Dec. 6.	*HILL, JOSEPH BALL ..	..	Casilla del Correo 1045, Buenos Ayres.
1874 Apr. 14.	HILL, LESLIE CRASWELLER ..	..	Cochrane, Alberta, Canada.
1883 May 29.	HILL, LUKE MULLOCK, B.E. ..	..	Georgetown, Demerara.
1886 May 18.	HILL, WILLIAM .. .. ..	..	Waterworks, Belfast.
1887 May 3.	HILL, WILLIAM .. .. ..	..	Witton-le-Wear, Durham.
1880 May 25.	HILL, WOODMAN .. .. ..	..	Leventhorpe, Gosport.
1885 Feb. 3.	HILLS, ARNOLD FRANK ..	..	Thames Ironworks, Blackwall, E.
1878 Jan. 15.	HILTON, FRANKLIN ..	..	Ebbw Vale Co., Ebbw Vale, Mon.
1893 Feb. 7.	*HINDE, WILLIAM HENN ..	..	Greystones, co. Wicklow.
1890 May 20.	*HINDS, HERBERT .. .. ..	..	Nisbet & Hinds, 95 Leadenhall St.,
1889 Jan. 8.	*HINSELL, HENRY LEONARD ..	..	15 Mawdsley St., Bolton. [E.C. Boro' Engineer's Office, Hull.
1881 May 3.	HIRD, GEORGE SMITH ..	..	81 Borough Road, S.E.
1889 Jan. 8.	HISCOCKS, ALFRED MOSER ..	..	John Fleming & Co., Bombay.
1893 May 16.	HOARE, ARTHUR .. .. ..	..	Lake St. John Ry., Quebec, Canada.
1879 Feb. 4.	HOARE, EDWARD ARTHUR ..	..	9 Kensington Gardens Sq., W.
1891 Dec. 1.	*HOEBS, CHARLES JAMES ..	..	St. John's Harbour, Antigua.
1888 Dec. 4.	*HOEBS, GEORGE .. .. ..	..	Washington Ironworks, Durham.
1870 Dec. 6.	HOESON, JOHN FALSHAW ..	..	{ Union Ironworks, 29 Broadway, New
1891 May 5.	*HODGE, HENRY WILSON ..	..	York, U.S.
1878 Jan. 15.	HODGE, JOHN LAKEMAN ..	..	22 Courtenay St., Plymouth.
1892 Apr. 5.	HODGE, LEONARD PERCIVAL ..	..	P. W. D., Kingston, Jamaica.
1891 Mar. 3.	HODGES, PERCY WALTER OGILVIE ..	..	82 Turnmill Street, E.C.
1890 Apr. 1.	*HODGKIN, PHILIP ELIOT ..	..	111 Church Rd., Richmond, S.W.
1888 Dec. 4.	HODGKINSON, ALFRED JAMES ..	..	34 Queen St., Melbourne, Victoria.
1889 Dec. 3.	HODGKINSON, GEORGE ..	..	45 Lord St., Lower Broughton, Mchtr.
1885 Feb. 3.	HODGSON, HARRISON ..	..	Paisley & Falcon, Workington.
1886 Dec. 7.	*HODGSON, JOHN SLACK ..	..	Sewerage Comnn., 93 Lincoln St.,
1885 Dec. 1.	HODGSON, WILLIAM JAMES ..	..	Boston, U.S.
1886 Feb. 2.	*HOGG, ALEXANDER JALEEZ ..	..	St. Helen's Local Board, Ryde, I.W.
1892 Jan. 12.	*HOLDEN, ALFRED .. .. ..	..	So. Mahratta Ry., Hubli, India.
1890 May 20.	HOLDEN, GEORGE HENRY ..	..	Lostock Hall, near Bolton.
1891 Dec. 1.	HOLDEN, JAMES .. .. ..	..	41 Corporation Street, Manchester.
1893 May 2.	HOLGATE, THOMAS .. .. ..	..	Bethorn, Llandaff.
m † 1888 Mar. 6.	*HOLLIDAY, JOHN .. .. ..	..	12 Hyde Park Rd., Halifax.
1893 Apr. 11.	*HOLLIDAY, JOHN .. .. ..	..	St. James's Gate Brewery, Dublin.
1893 May 2.	HOLLINGSWORTH, WILLIAM JOHN ..	..	Gasworks, Scarborough. [ton, S.W. Heathfield Ho., Ardville Rd., Brix-
1885 May 5.	HOLLOM, JOHN BRAMWELL ..	..	J. Lysaght, 36 Gracechurch St., E.C.
1880 Feb. 3.	*HOLME, CHARLES HENRY ..	..	Oak Lodge, Naini Tal, N.W.P., India.
1892 May 3.	HOLME, CLINTON JAMES WILSON ..	..	20 Bairstow St., Preston. [land.
1890 Apr. 1.	HOLME, JOHN CARTMEL ..	..	Owlst Ash, Milnthorpe, Westmore-
1888 Dec. 4.	HOLMES, EDWARD .. .. ..	..	13 Northumberland Rd., Sheffield.
1892 Mar. 1.	*HOLMES, GEORGE WILLIAM ..	..	Town Hall, Walthamstow.
1884 Jan. 8.	*HOLMES, JOHN HENRY .. ..	..	{ Wellburn, Jesmond, Newcastle.
			{ (Holmes, Newcastle-on-Tyne. 278.)

Date of  
Election.

## ASSOCIATE MEMBERS.

1887 Feb. 1.	HOLMES, ROBERT WEST .. ..	Res. Eng., P.W.D., Wellington, N.Z.
1873 Dec. 2.	{ HOLMES à COURT, Hon. ARTHUR WYNDHAM .. .. ..	Kerby & Co., 440 Oxford Street, W.
1883 Feb. 6.	HOLT, ARTHUR .. .. ..	Boro' Surv.'s Off., Lewes.
1875 Jan. 12.	HOLT, GEORGE HENRY .. ..	10 Richmond Terrae, Blackburn.
1875 Feb. 2.	HOLT, HENRY PERCY .. ..	The Cedars, Didsbury, Manchester.
1883 Feb. 6.	*HOLT, PERCY WM. MONCKTON	Glenfern, Kyber Pass, Auckland, N.Z.
1883 May 29.	HOLTTUM, WILLIAM HENRY ..	5 Tavistock St., Bedford Sq., W.C.
1863 Feb. 3.	HOLTZAPFFEL, JOHN JACOB ..	Windmill Hill Ho., Hampstead, N.W.
1879 Dec. 2.	HOME, JOHN HOME .. .. ..	Quamby, Tasmania. [vaal.
1891 Dec. 1.	*HOMERSHAM, EDWIN COLLETT	P.O. Box 98, Johannesburg, Trans-
1884 Jan. 8.	HONEYSETT, ARTHUR .. ..	39 Victoria Street, S.W.
1884 Dec. 2.	HOOLEY, COSMO CHARLES ..	Barton Union, Patricroft, Manchtr.
1886 Dec. 7.	HOOLEY, EDGAR PURNELL ..	Co. Surv., Shire Hall, Nottingham.
1891 Dec. 1.	HOOPER, EDWARD .. .. ..	508 California St., San Francisco, U.S.
1890 Feb. 4.	*HOOPER, HERBERT ROSS, M.A.	Canadian Pacific Ry., Montreal.
1892 Apr. 5.	HOPKINS, WALTER BERNARD	30 Parliament Street, S.W.
1877 Dec. 4.	HOPKINSON, ALFRED .. ..	Castle Chams., Market Pl., Bury.
1889 May 7.	*HOPKINSON, FREDERICK THOS.	G. W. Ry., Ivybridge, Devon.
1892 Dec. 6.	*HOPPER, ARTHUR EDWIN ..	34 Fawcett Street, Sunderland.
1891 Dec. 1.	HOPWOOD, JOHN .. .. ..	G. W. Ry., Mendoza, Argentina.
1889 Apr. 2.	HORBURY, GEORGE FRANCIS ..	Richardson and Cruddas, Bombay.
1882 Apr. 4.	HORN, DAVID BAYNE, F.C.H.	King, Hamilton & Co., Calcutta.
1892 Feb. 2.	HORN, THOMAS WILLIAM, JUN.	{ F. C. del Sud, Bahia Blanca, Buenos Aires.
1886 Apr. 6.	*HORN, TOM ALEXANDER .. ..	11 Gray St., Waterloo Rd., S.E.
1874 Dec. 1.	*HORN, WILLIAM EDWARD ..	35 Vincent Sq., Westr., S.W.
1892 Jan. 12.	*HORNE, ERNEST WORTHY ..	37 Beulah Hill, Norwood, S.E.
1889 Dec. 3.	HORNER, WALTER .. .. ..	26 Ackers St., Oxford Rd., Manch'r.
1879 Apr. 1.	HORNIDGE, SAMUEL .. ..	Club of Wn. India, Poona, Bombay.
1883 Feb. 6.	*HORSLEY, CHARLES CRESSY ..	29 Hornsey Risc Gardens, N.
1883 May 1.	HOSKINGS, ARTHUR BERRIMAN	7 Northbrook Rd., Lee, S.E.
1883 Jan. 9.	*HOUGHTON, THOMAS HARRY ..	{ Post Office Chambers, Pitt St., Syd- ney, N.S.W. (Expansion, Sydney.)
1886 Apr. 6.	HOUISON, DAVID .. .. ..	Parramatta, N.S.W.
1888 Jau. 10.	HOUSDEN, WILLIAM PREST ..	P. W. D., Saharanpore, India.
1881 Apr. 5.	HOUSTON, JAMES LENNOX ..	151 Cannon Street, E.C.
1881 Mar. 1.	*HOW, WILLIAM FIELD, Wh. Sc.	{ Mutual Life Bldgs., George Street, Sydney, N.S.W.
m ♫ 1886 Dec. 7.	*HOWARD, FRANK GEERE ..	9 Gayton Rd., Harrow.
1886 May 18.	HOWARD, JOHN GEORGE ..	Klerksdorp, S.A.R., viâ Cape Town.
1874 Feb. 3.	HOWARD, WILLIAM FREDERICK	13 Cavendish St., Chesterfield.
1891 Feb. 3.	*HOWARTH, FRANK .. .. ..	County Council, Spring Gardens, S.W.
1889 Mar. 5.	HOWATSON, ANDREW .. ..	165 Avenue du Roule, Neuilly, Paris.
1891 May 5.	HOWDEN, THOMAS MONTAGU ..	Water Dept., Melbourne, Victoria.
1883 May 29.	HOWELL, SAMUEL EARNSHAW ..	{ The Brook Steel Works, Sheffield. (Howell, Shetfield.)
1891 Dec. 1.	*HOWLEY, WILLIAM JOHN ..	P.W.D., Gannavaram, Madras.
1883 Dec. 4.	HOWORTH, CHARLES HENRY ..	Invercargill, N.Z.
1891 Dec. 1.	HOY, HENRY ALBERT .. ..	Overdale, Horwich, Lancs.
1892 Mar. 1.	*HUDDART, JOHN .. .. ..	Prospect House, Wells Rd., Bath.
1882 Dec. 5.	*HUDLESTON, ANDREW JOHN ..	Dharwar, viâ Bombay.
1884 Feb. 5.	HUDLESTON, FERDINAND ..	Mersey Ry., James St., Liverpool.
1890 Dec. 2.	*HUDSON, FREDERICK WILLIAM	Docks, Cumberland Basin, Bristol.
1879 May 27.	HUDSON, JAMES CADOUX ..	75 Upp. Ground St., Blackfriars, S.E.
1892 Dec. 6.	*HUGHES, EDWARD MORGAN ..	66 Canning Street, Liverpool.
1891 Feb. 3.	HUGHES, HERBERT WILLIAM ..	Priory Farm House, Dudley.
1879 May 6.	HUGHES, JOHN ELLIS .. ..	Reservoir Works, Marsden, Yorks.
1890 Feb. 4.	*HUGHES, WM. GEO. CRAWFORD	28 Victoria Street, S.W.
1878 May 28.	*HUGHES, WILLOUGHBY ROCHESTER	Wapella, N.W.T., Canada.
1881 Feb. 1.	HUGHES-HALLETT, CHAS. F., M.A.	41 St. Stephen's Av., Shepherds Bush.
1892 Dec. 6.	HUMAN, EDWIN .. .. ..	Colombo, Ceylon. [vaal.
1885 May 5.	*HUMBY, ALBERT JAMES .. ..	Club Chams., Johannesburg, Trans-

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## ASSOCIATE MEMBERS.

1879 Apr. 1.	HUME, EDWARD NATHANIEL ..	Shire Eng., Rushworth, Victoria.
1876 Dec. 5.	HUME, WASHINGTON ..	Harcourt House, Camberley, Surrey.
1885 Feb. 3.	HUMPHREYS, NORTON HENRY ..	Gasworks, Salisbury. [Glos.
1890 Jan. 14.	HUMPIDGE, JAMES DICKERSON ..	Chaceley Villa, Bath Rd., Stroud,
1893 Feb. 7.	*HUNT, BERNARD, A.R.S.M. ..	{ Mesquital del Oro, via Guadalajara, Mexico.
1892 Feb. 2.	*HUNT, EDWARD ..	F. C. Central, Caracas, Venezuela.
1886 Mar. 2.	*HUNT, HENRY CHAS. TERRETT ..	26 Parliament Street, S.W.
1875 Mar. 2.	HUNT, HERBERT EDGEELL ..	1 Hyde Park Gate, S.W.
1883 Dec. 4.	HUNTER, ASHLEY JOHN ..	Stewart & Hunter, Auckland, N.Z.
m † 1888 Feb. 7.	*HUNTER, GILBERT MACINTYRE ..	Newyards, Maybole, N.B.
1879 Feb. 4.	*HUNTER, JOHN ..	Matlock Rd., Belper, Derbyshire. (Hunter, Strutts, Belper.)
1889 Feb. 5.	*HUNTER, MAURICE ..	Bridge St., Belper.
1890 Feb. 4.	HUNTER, SIDNEY HERBERT ..	202 Bow Road, E.
1868 May 19.	HURST, WILLIAM ..	L. & N. W. Ry., Southampton, nr. Rugby.
1889 Apr. 2.	HUTCHINGS, CHARLES ARTHUR ..	Parana, Entre Rios, Argentina.
1888 Feb. 7.	HUTCHINSON, SYDNEY H. COOPER ..	King, King & Co., Bombay.
1892 Dec. 6.	HUTCHISON, DANL. LEAN, B.Sc. ..	6 Belhaven Ter., Glasgow.
1886 Dec. 7.	*HUTTON, CHARLES HERBERT ..	H. S. King & Co., 45 Pall Mall, S.W.
1879 May 6.	HUTTON, THEODORE BENT ..	PenlanVil, Mount Pleasant, Swansea.
1887 Apr. 5.	*HUTTON, WALTER HERBERT ..	51 Longridge Rd., Earl's Court, S.W.
1876 Mar. 7.	I'ANSON, WILLIAM ..	Water Co., Saltburn-by-the Sea.
1885 Dec. 1.	IHDA, TOSHI NORI ..	Govt. Rys., Shinbashi, Tokio, Japan.
1888 Dec. 4.	*IKIN, ARTHUR JOHN ..	
† 1881 Feb. 1.	*INGLIS, WILLIAM ..	Lochside House, Hamilton, N.B.
1888 May 15.	INGREY, CHARLES ..	60 Watling Street, E.C.
1886 Dec. 7.	*INMAN, THOMAS ..	52 Kingshall Rd., Kent Ho., Becken-
1892 May 3.	IRONSIDE, WILLIAM DALTON ..	3 Golden Square, Aberdeen. [ham.
1877 Dec. 4.	IRVINE, JAMES ..	254 Gray's Inn Road, W.C.
1879 Feb. 4.	ISHERWOOD, RICHARD ..	Kinderton Lodge, Middlewich.
1882 Jan. 10.	*ISHIGURO, ISOJI ..	Govt. Engineer's Off., Tokio, Japan.
1880 Mar. 2.	*ITTER, ARTHUR WERNER ..	Bridge End, Peterborough.
1887 Apr. 5.	*IVE, ERNEST ..	39 Margravine Gds., Kensington, S.W.
1874 Dec. 1.	*IVENS, FLETCHER JAMES ..	N. W. Ry., Lahore, India.
1880 Dec. 7.	IVENS, THOMAS EDWARD ..	Lahore, Punjab, India.
1892 Dec. 6.	*IVES, HARRY WM. MACLEAN ..	Sirhind Canal, Ludhiana, Punjab.
1875 Dec. 7.	IZARD, WALTER GEORGE ..	10 The Paragon, Blackheath, S.E.
1887 Dec. 6.	*JACK, ARTHUR JOSEPH ..	Brightlands, Reigate.
1885 May 19.	*JACKAMAN, CHARLES JAMES ..	1 Lonsdale Vils., Slough, Bucks.
1888 Apr. 10.	JACKS, THOMAS WM. MOSELEY ..	Woodgreen, Wednesbury.
1883 May 29.	JACKSON, EDWARD JAMES ..	Kinburn West, St. Andrews, N.B.
1880 Dec. 7.	JACKSON, EDWARD WILTHEW ..	Ferro Carril Mexicano, Mexico.
† 1891 Dec. 1.	*JACKSON, GEORGE FREDERICK ..	N. E. Ry., Newcastle-on-Tyne.
1887 Apr. 5.	*JACKSON, HUGH ROWLAND ..	The Hall Cross, Doncaster.
1892 Apr. 5.	JACKSON, JAMES EDWARD, Jun. ..	Clifden Ry., Recess, co. Galway.
1890 Dec. 2.	JACOB, ALBERT FRANCIS ..	Harbours & Rivers Dept., Sydney, N.S.W. [North Pacific.
1893 May 16.	*JACOB, CHARLES RYDER, R.N. ..	H.M.S. "Garnet," Esquimalt,
1879 Feb. 4.	*JACOB, EDWARD FOUNTAINE ..	N. W. Ry., Lahore, Punjab.
1872 Dec. 3.	JACOB, EDWARD WESTLEY ..	3 Woodside Ter., Grange Rd., Dar-
1891 May 5.	JACOBS, PAUL GEORGE ..	P.W.D., Calcutta. [lington.
1887 Jan. 11.	*JACOMB, WILLIAM WYKEHAM ..	72 Dyke Road, Brighton.
1892 Jan. 12.	*JACQUES, HERBERT INNES ..	24 Durdham Park, Bristol.
1890 Jan. 14.	JACQUES, JAMES ROUTLEDGE ..	P.O. Box 142, Johannesburg, Trans-
1878 Jan. 15.	JACQUES, RICHARD ..	Loco. Supt., Caldera, Chili. [vaal.

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## ASSOCIATE MEMBERS.

1892 May 24.	*JAMES, ALFRED, M.A. .. .	Monsels, Barry, Cardiff.
1887 Dec. 6.	JAMES, CHARLES CARKEET ..	Municipality, Bombay.
1886 Dec. 7.	{ JAMES, CHARLES WORDSWORTH SCANTLEBURY .. .	Town Hall Chambers, Hobart, Tasmania.
1885 Dec. 1.	*JAMES, ERN. ALLEN HORSFORD ..	F.C.N.O.A., Tucuman, Argentina.
1889 Jan. 8.	*JAMES, REGINALD WILLIAM ..	75 Tyrwhitt Rd., Brockley, S.E.
1886 Dec. 7.	JAMESON, ALEXANDER CHALMERS ..	Primitiva Nitrate Co., Iquique, Chili.
1880 Feb. 3.	*JAMESON, GEORGE .. .	Bow St. Distillery, Dublin.
1892 Feb. 2.	*JAMESON, HENRY BENTLEY ..	Durban, Natal.
T t m ♫ 1885 Dec. 1.	*JANIESON, MATHEW BUCHAN ..	31 Queen St., Melbourne, Victoria.
1874 May 5.	JARVIS, EDWARD WORRELL ..	H. N. Ruttan, Winnipeg, Canada.
1881 Jan. 11.	JARVIS, GEORGE EDWARD ..	Tembuland, Umtata, C.C.
1888 Dec. 4.	*JASPER, NICHOLAS PAUL ..	21 Great George Street, S.W.
1887 Dec. 6.	{ JEEJEEBOY, PIROSHAW BOMANJEE .. .	17 Church St., Bombay.
1874 May 5.	JEFFCOCK, THOMAS WILLIAM ..	Bank Street, Sheffield.
1889 Feb. 5.	JEFFERISS, THOMAS .. .	Cornwall Wks., Soho, Birmingham.
1881 Dec. 6.	*JEFFREYS, EDWARD HOMER ..	Hawkhills, Chapel Allerton, Leeds.
1893 Jan. 10.	JEKEN, JOHN LLEWELLYN ..	Martin, near Dover.
1892 Dec. 6.	JENKIN, BERNARD MAXWELL ..	2 Whitehall Court, S.W.
m ♫ 1891 Feb. 3.	*JENKIN, CHAS. FREWEN, B.A. ..	Gunpowder Fact., Waltham Abbey.
1893 May 16.	JENKINS, CHARLES MORRIS ..	Harrismith, Orange Free State.
1890 Feb. 4.	*JENKINS, DAVID MORGAN ..	Borough Surveyor, Neath.
1878 Feb. 5.	JENKINS, GEORGE GORDON ..	16 Bridge St., Aberdeen.
1891 Apr. 7.	JENKINS, HENRY CHAS., Wh. Sc.	17 St. Julian's Rd., Kilburn, N.W.
1888 Dec. 4.	JENKINS, WILLIAM JOHN ..	340 Queen's Rd., Cheetham, Mchtr.
1876 Mar. 7.	JERVIS, ALEXANDER .. .	Milngavie, near Glasgow.
1877 Dec. 4.	*JESSOP, GEORGE .. .	Granville House, London Road, Leicester. (Jessop, Leicester.)
1889 Dec. 3.	JICKELL, SAMUEL .. .	City Surveyor, Nelson, N.Z.
1885 Feb. 3.	*JOBLING, EDWARD FISHER ..	Moody's Down, Micheldever, Hants.
1885 Dec. 1.	JOBSON, CHRISTOPHER ..	P. O. Box 59, Broken Hill, N.S.W.
1885 Mar. 3.	*JOHNS, WILLIAM ARTHUR ..	Sind-Pishin Ry., Beloochistan, India.
1892 Mar. 1.	*JOHNSON, CHARLES THOMPSON ..	44 Hartington Rd., Stockton-on-Tees.
1881 Mar. 1.	*JOHNSON, FRANCIS ROBERT ..	G. I. P. Ry., Munmar, Bombay.
1879 May 6.	*JOHNSON, FREDERICK WILLIAM ..	Worcester Park, Surrey.
1891 Jan. 13.	JOHNSON, HENRY CLEWLY ..	Midland Ry., Eng.'s Office, Skipton.
1887 Dec. 6.	*JOHNSON, HENRY ARTHUR ..	14 The Exchange, Bradford.
1888 Apr. 10.	*JOHNSTON, JAMES .. .	Waterworks, Lea Bridge, N.E.
1879 Dec. 2.	JOHNSTON, JOHN CHARLES ..	Cuddapah, Madras.
1887 Dec. 6.	JOHNSTON, JOHN MONTGOMERY ..	Gt. Southern Ry., Buenos Ayres.
1883 Feb. 6.	JOHNSTONE, Hon. CECIL ..	14 Victoria Street, S.W.
1876 May 2.	{ JONES, ALFRED STOWELL, G.C. Lt.-Col. Retired .. .	Culverside, Carshalton, Surrey.
1886 Mar. 2.	JONES, CHARLES EDWIN ..	Chesterfield.
1877 Mar. 6.	JONES, CHARLES WILLIAM ..	Gasworks, Porta Ludovica, Milan.
1888 Apr. 10.	*JONES, CYRIL EDWARD ARENGO ..	Holcwm, Ferryside, South Wales.
1884 May 6.	JONES, EDWARD DUKINFIELD ..	Lampart & Holt, 21 Water St., L'pool.
1891 Dec. 1.	*JONES, EVAN DAVIES .. .	Ship Canal, Halton, Runcorn.
1882 May 2.	{ JONES, FREDK. CHARLES PEM- BROKE .. .	Club de Residentes Estrangeros, Buenos Ayres.
1881 Feb. 1.	*JONES, GEORGE ARTHUR ..	Box 410, Johannesburg, Transvaal.
1886 Mar. 2.	JONES, HAROLD .. .	58 Baron's Court Rd., S.W.
1891 Dec. 1.	JONES, HARRY HERBERT ..	Gas Company, Bombay.
1891 Dec. 1.	*JONES, HENRY CECIL .. .	Town House, Cape Town, C.C.
1888 Dec. 4.	*JONES, HENRY SYDNEY ..	17 Bolton Gardens, S.W.
1871 May 2.	JONES, H. M. LAYARD ..	Officina del Gaz, Popolo, Rome.
1876 Feb. 1.	JONES, ISAAC MATTHEWS ..	City Surveyor, Chester.
1885 Dec. 1.	JONES, JAMES .. .	Hyderabad, Deccan, India.
1887 May 3.	JONES, JOHN CHAS DWAFYDD ..	Eastern Extension Telegraph Co., Singapore, S.S. [worth.
1887 Dec. 6.	*JONES, JOHN EDWARD ..	Santa Rosa, Northwood, Rickmans-
1875 Feb. 2.	*JONES, JOHN HUNTER ..	5 Cleveland Terrace, Hyde Park, W.

Date of Election.	ASSOCIATE MEMBERS.				
1891 Dec. 1.	JONES, MONTAGUE RHYS ..				Tasmanian Club, Hobart, Tasmania.
1891 May 5.	JONES, MORLAIS GLASFRYN ..				6 Delahay Street, Westminster, S.W.
1876 Dec. 5.	*JONES, OWEN .. .. ..				Blackale Range Rd., Beerwah,
1890 Mar. 4.	*JONES, PATRICK NICHOLAS HILL ..				Water Co., Barbados. [Queensland.
1886 Jan. 12.	JONES, ROBERT EDWARD ..				Rds. & Bdgs. Dept., Sydney, N.S.W.
1876 Feb. 1.	*JONES, WALTER ROBERTS ..				Fabbrica del Gaz, Rome.
1891 Apr. 7.	JONES, WILLIAM .. ..				Bryny-Don, Colwyn Bay, N. Wales.
1886 Dec. 7.	*JONES, WILLIAM HEMMING ..				Prestwich Rectory, Manchester.
1884 Dec. 2.	JONGH, JOHN ISIDOR DE ..				San José, Costa Rica.
1852 Dec. 7.	JOPLING, JOSEPH .. ..				29 Winchester St., Toronto, Canada.
1891 Dee. 1.	JOPP, WILLIAM .. ..				P.W.D., Bezwada, Madras.
1890 Mar. 4.	JORGENSEN, FREDERICK ..				Austrian Lloyd's, Constantinople.
1884 May 6.	JOSEPH, ALLAN FERGUSON ..				P.W.D., Minich, Egypt. [N.S.W.
1879 Feb. 4.	*JOSEPHSON, JOSHUA PERCY ..				George St., Marrickville, Sydney,
1891 May 5.	*JOY, HENRY GOLDING ..				4 Bath Terrace, Tynemouth.
1880 Feb. 3.	JULIAN, ROBERT HILL, B.E. ..				2 Roseneath Vils., Military Rd., Cork.
1884 May 6.	KAPTEYN, ALBERTUS PHILIPPUS ..				{ Westinghouse Brake Co., York Rd., N.
1887 May 3.	KEANE, JOHN RICHD. RATCLIFFE ..				(Westinghouse, London. 7513.)
1893 Feb. 7.	KEELAN, EUGENE JOHN CHARLES ..				20 Abchurch Lane, E.C.
1893 Mar. 7.	*KEELING, HUGH TROWBRIDGE ..				P.O., Mussoorie, India.
1883 May 1.	*KEENE, PERCY EDWARD ..				P.W.D., Theekadi, Madras.
1887 Mar. 1.	KEIR, FRANCIS LINDSAY ..				Midland Ry., Jhansi, N.W.P., India.
1888 Dee. 4.	KEITH, JAMES .. ..				Ry. Dept., Brisbane, Queensland.
1893 Jan. 10.	*KELLETT, HARRY .. ..				57 Holborn Viaduct, E.C.
1887 May 24.	KELSALL, JAMES .. ..				125 Stockport Rd., Manchester.
1882 Mar. 7.	KENBLE, FREDERICK ..				Central Chambers, Stockport.
1889 Feb. 5.	KEMP, WILLIAM EDMUND ..				24 Church St., Kingston, Jamaica.
1878 Jan. 15.	*KEMPE, HARRY ROBERT ..				Newcastle, New South Wales.
1881 May 31.	KEMPSON, CHARLES .. ..				Eng.-in-Ch.'s Off., Gen. Post Off., E.C.
1890 Dec. 2.	*KEMPSON, CHARLES ALDWIN ..				17 West Street, Gateshead-on-Tyne.
1890 Dec. 2.	KENDALL, ROBERT .. ..				Merton Vicarage, Surrey.
1878 Feb. 5.	*KENDALL, WILLIAM BARROW ..				Existing Lines Dept., Sydney, N.S.W.
1892 Dec. 6.	KENNY, WILLIAM EYRE ..				16 Regent Rd., Crosby, Liverpool.
1892 Apr. 5.	KENSINGTON, FREDERICK ..				Sarawak, via Singapore.
1888 Feb. 7.	KENT, JOHN BROADHURST ..				2 Cophall Buildings, E.C.
1876 Mar. 7.	KENWORTHY, EDWIN .. ..				Commercial Gas Co., Wapping, E.
1890 Dec. 2.	*KER, HUGH TORRANCE ..				Public Offices, Handsworth, Staffs.
1876 Dec. 5.	*KERLE, WILLIAM GIBBS ..				Tyne Dock Works, South Shields.
1875 Apr. 6.	KERN, EMILE JEAN RODOLPHE ..				11 Bond St., Sydney, N.S.W.
1887 May 3.	*KERSHAW, FREDERICK WHITE ..				135 Rue de Belleville, Paris.
1889 Dec. 3.	KIDD, HECTOR .. .. ..				{ 5 Burlington Rd., Birkdale, South-
1876 Feb. 1.	KIDD, THOMAS .. .. ..				port. [N.S.W.
1893 Feb. 7.	KIDD, THOMAS .. .. ..				Colonial Sugar Refining Co., Sydney.
m ✕ 1887 May 24.	*KIDD, WILLIAM .. .. ..				104 Balham Park Road, S.W.
1889 Feb. 5.	KIKKAWA, SANJIRO, M.E. ..				City Engineer's Office, Ripon.
1893 Jan. 10.	*KILLON, HARRY BIRCH ..				Loftus, R.S.O., Yorks.
1878 Mar. 5.	KILVINGTON, WILLIAM ..				Railway Dept., Tokio, Japan.
1873 Dec. 2.	*KINCH, WILLIAM HUBERT ..				Ship Canal, Cadishead, Manchester.
1892 Jan. 12.	*KINDERSLEY, ARTHUR EDWARD ..				Wallsend-on-Tyne.
1892 Dec. 6.	KING, FRANCIS ALEX. STUART ..				North Eastern Ry., West Hartlepool.
1882 May 23.	*KINGDON, ZACHARY HARRIS, Wh.Sc.				Dak Bungalow, Bardapur, Assam.
1888 Jan. 10.	KINGSFORD, HERBERT ..				Assam-Bengal Ry., Comilla, Bengal.
1890 May 20.	KINGSLEY, ARTHUR HY., B.A. ..				Sc. 1 Mycene Rd., Westcombe Pk.,
1878 Apr. 2.	KINGSLEY, MAURICE .. ..				Casilla 120, Lima, Peru. [S.E.
1886 Jan. 12.	KINGSTON, WILLIAM .. ..				Fanshaws, Hertford.
1865 Dec. 5.	KIRBY, CONYERS .. ..				44 Broadway, New York, U.S.
1892 Dec. 6.	KIRBY, JAMES NOBLE .. ..				26 Glover's Rd., Small Heath, B'ham
1877 May 29.	KIRK, THOMAS .. ..				Town Hall, Newport, Mon.
					Eng.'s Office, Midland Ry., Derby.
					Brisbane, Queensland.

Date of  
Election.

## ASSOCIATE MEMBERS.

1888 Feb. 7.	KIRKALDY, JOHN .. ..	{ 10 West India Dock Road, E. (Com-pactum, London.)
1892 Mar. 1.	KIRKLAND, THOMAS .. ..	17 Victoria Street, S.W. [S.E.
1884 Apr. 1.	KIRSTEIN, HENRY CHARLES ..	Asphodel Ho., Maze Hill, Greenwich,
1888 Mar. 6.	*KITCHINGMAN, DAWSON ..	Blagdon House, Blagdon, Somerset.
1872 Jan. 9.	KITT, ALFRED .. ..	5 Victoria Street, S.W.
1873 Jan. 14.	KITT, BENJAMIN .. ..	Sydney Lodge, Bathwick, Bath.
1878 Mar. 5.	{ *KNAIP, CHAS. CORNWALLIS BURTON.. .. ..	P.W.D., Raipur, C.P., India.
1891 Dec. 1.	KNIGHT, BERTRAND THORNTON	State Rys., Bangkok, Siam.
1887 Dec. 6.	*KNIGHT, JAMES PERCY .. ..	Ravensworth, Cranbrook Pk., Ilford.
1890 Mar. 4.	KNIGHT, JOHN .. ..	City Surveyor's Office, Birmingham.
1891 Apr. 7.	KNIGHTON, JOSEPH GODBER ..	Staveley Ironworks, nr. Chesterfield.
1888 May 1.	*KNOWLES, ARTHUR JAS., B.A.	L.D. & E.C.Ry., Clowne, Chesterfield.
1890 Dec. 2.	KNOWLES, CHARLES EDWARD ..	Holmdale, Glossop, Manchester.
1888 Feb. 7.	KNOWLES, ROBERT .. ..	Ednaston Lodge, near Derby.
1882 Apr. 4.	*KORTRIGHT, LAWRENCE MOORE	St. Kitts, West Indies.
1888 Jan. 10.	KUWABARA, MASA, M.E. ..	Fujita & Co., Osaka, Japan.
1887 Mar. 1.	*KYLE, JOHN, Jun. .. ..	Colombo, Ceylon.

1887 Feb. 1.	*LABATT, JOHN BAGOT .. ..	Brougham Pl., N. Adelaide, S. Aust.
1885 May 19.	LACEY, FREDERICK WILLIAM ..	Town Hall Chambers, Bournemouth.
m 1883 May 29.	*LACEY, THOMAS STEPHEN ..	Gas Light & Coke Co., Lopus St., S.W.
1891 Dec. 1.	LACHLAN, WILLIAM .. ..	Castle View, Parkstone, Dorset.
1885 Dec. 1.	LAFFAN, GEO. BASTABLE, B.E.	Local Board, Twickenham.
1890 May 20.	LAING, THOMAS ELCOAT .. ..	Dist. Surv., Bower Spring, Sheffield.
1886 Mar. 2.	*LAKE, HARRY HERBERT .. ..	Midland Ry., Antri, C. India.
1889 May 7.	*LAKE, WM. GEO. WOOLLCOMBE	Bentor, Teignmouth.
1882 Mar. 7.	*LAMBERT, GEORGE BUCHANAN	P.W.D., Salem, Madras. [Sheffield.
1889 Dec. 3.	*LANCASHIRE, WILLIAM THOMAS	Boro' Surveyors' Office, Bower Spring,
1892 May 3.	LANCASTER, EDWARD WILLIAM	52 Bristol Rd., Birmingham.
1889 Dec. 3.	{ LANCASTER, WILLIAM JOSEPH COSENS .. .. ..	The Kraal, St. Julian's Farm Road, West Norwood, S.E.
1888 Feb. 7.	*LANDER, PHILIP VINCENT ..	Lyndhurst, Hampton Wick.
1873 Dec. 2.	*LANDON, FRANK HOWARD ..	28 Clarendon Road, Bedford. [E.C.
1884 May 27.	*LANDON, HERBERT JOHN ..	Dickeson & Stewart, 4 Qn. Victoria St., Darlington Ho., Sydney Bdgs., Bath.
1885 Dec. 1.	LANE, ALEXANDER MAURICE ..	Gasworks, Aylesbury.
1887 Dec. 6.	LANE, GEORGE .. .. ..	Liskeard, Cornwall.
1889 Dec. 7.	*LANG, JOHN CHARLES .. ..	City Surv., Adelaide, So. Australia.
1882 Feb. 7.	LANGDON, JAS. HY. CORNWALL	35 Chaussée Perigord, Amiens.
1882 Mar. 7.	{ *LANGE, FREDK. MONTAGUE TOWNSHEND .. .. ..	44 Rue Toequeville, Paris.
1880 Dec. 7.	LANGTREE, OCTAVIUS .. ..	Brecon.
1886 Mar. 2.	*LARGE, CHAS. JOHN EDMONDS	33 Clarendon Gds., Maida Vale, N.W.
1875 Feb. 2.	LARGE, THOMAS WILLIAM ..	Coimbatore, Madras.
1878 Mar. 5.	LARMINIE, JOHN CHARLES ..	Machinery Division, S. Kensington Muscum, S.W.
W t ♫ 1886 Apr. 6.	LAST, WILLIAM ISAAC, Wh. Sc.	Borough Engineer, Middlesbrough.
1879 Feb. 4.	LATHAM, EDWIN DAVENPORT ..	Knowle, Cuckfield, Sussex.
1890 Dec. 2.	*LATHAM, FREDERIC NIX ..	Apartado 385, Mexico City.
1892 Apr. 5.	*LATIMER, HUGH HAUGHTON ..	49 John Finnie St., Kilmarnock, N.B.
1892 Mar. 1.	LAUGHARNE, THOMAS ROLAND	Clapham Park, S.W.
1883 May 29.	*LAURENCE, REGINALD .. ..	Johannesburg, Transvaal.
1891 Apr. 7.	LAVERTINE, RD. ALOYSIUS, B.E.	19 Arundel Sq., Barnsbury, N.
1878 May 28.	LAVEY, CHARLES .. ..	The Rookery, Middleton, Man-
1888 Apr. 10.	*LAW, HERBERT HENRY .. ..	13 Victoria Street, S.W. [chester.
1886 Jan. 12.	LAWFORD, GEORGE MAXWELL	17 Park Lane, Swindon.
1890 May 20.	LAW-GREEN, CHARLES .. ..	91 Northgate St., Stockport.
1892 May 3.	*LAWSON, ALBERT WILLIAM ..	Local Board, Southgate, N.
1882 May 2.	LAWSON, CHARLES GRIFFIN ..	28 Falcon Street, Ipswich.
1889 Dec. 3.	*LAWSON, CHARLES HENRY ..	

Date of  
Election.

## ASSOCIATE MEMBERS.

1892 Dec. 6.	*LAWSON, HENRY JOHN .. ..	2 Devonshire St., Chesterfield.
1887 Dec. 6.	*LAWSON, JAMES IBBS .. ..	Rys., Invercargill, N.Z.
1886 Feb. 2.	LAWSON, VINCENT ALEXANDER ..	Stroud, Gloucestershire.
1888 Dec. 4.	LAWTON, RICHARD JOHNSON ..	47 Waldegrave Park, Twickenham.
1892 Mar. 1.	*LAZENBY, ARTHUR, B.A. ..	12 Cholmley Villas, Long Ditton.
1878 May 28.	LEE, EDWIN .. .. ..	{ 67 Reginald Ter., Chapeltown Rd., Leeds.
1890 May 20.	LEE, JOHN, M.A. .. .. ..	26 Edinburgh Rd., Armley, Leeds.
1866 May 1.	LEECHMAN, WILLIAM CAREY ..	92 Sinclair Road, Kensington, W.
1888 Feb. 7.	*LEES, ARTHUR ED. TREVILLION ..	101 Grosvenor Road, S.W.
1883 Mar. 6.	*LEES, OSWALD CAMPBELL ..	Balasore, Bengal.
1891 Mar. 3.	LEETE, WILLIAM HENRY ..	Shire Hall, Bedford.
1887 Dec. 6.	*LEFÉBURE, EDOUARD ELIE ..	Perambur Works, Madras.
1887 Mar. 1.	LEFROY, GEORGE ANTHONY ..	Chief Surveyor, Perak, S.S.
m 1886 Dec. 7.	*LEGG, WILLIAM ANDREW ..	Waterworks, High Nest, Keswick.
m 1891 Feb. 3.	*LEGROS, LUCIEN ALPHONSE ..	57 Brook Green, Hammersmith, W.
1891 Feb. 3.	*LE GROS, SYDNEY .. ..	Boro' Engineer's Office, Salford.
1888 Feb. 7.	*LEIGH, FREDERICK JAMES ..	Loco & Eng. Co., Kingston, Canada.
1887 Dec. 6.	LEIGH, HENRY HARRINGTON ..	{ 22 Southampton Bdgs., Chancery Lane, W.C. (Rotnevni, London. 2791.)
1892 Feb. 2.	{ *LE MESURIER, HARRY HUNTER ..	W.P. Buckingham, 14 Bedford Row, W.C.
m 1887 May 24.	{ PEVERIL .. .. ..	1 Victoria Street, S.W.
1891 Dec. 1.	LESLIE, BRADFORD .. .. ..	Bengal-Nagpur Ry., Nagpur, India.
1883 May 29.	LESLIE, JOSEPH .. .. ..	Apcar & Co., Radah Bezar, Calcutta.
1891 Mar. 3.	LESLIE, ROBERT FLETCHER ..	6 Moira Place, Southampton.
1882 May 23.	LESTER, EDWARD ROLLS ..	13 Whitefield Terrace, Plymouth.
1884 Dec. 2.	*LEVENTHORPE, ALGERNON ..	H. S. King & Co., 45 Pall Mall, S.W.
1891 May 12.	*LEVENTHORPE, JOHN BONFOY ..	King, King & Co., Bombay.
1872 Dec. 3.	LEWIS, ALFRED DAVID ..	34 Leinster Gdns., Hyde Park, W.
1888 Jan. 10.	LEWIS, FRANK BECKET ..	Guildhall, Nottingham.
1892 Jan. 12.	LEWIS, HERBERT CLARK ..	The Mardy, Aberdare.
1889 Dec. 3.	*LEWIS, JOHN HARRY ..	Surv.'s Off., New Tredegar, Mon.
1891 Jan. 13.	*LEWIS, SIDNEY COOKE ..	15 Victoria Street, S.W.
1879 May 6.	*LEWIS, WILLIAM CUTHBERT ..	Ex. Eng., Coimbatore, India.
1893 Jan. 10.	LEWIS, WILLIAM THOMAS ..	Bute Docks Co., Cardiff.
1873 Feb. 4.	*LEY, JAMES VERCHILD ..	Chudleigh, Lovelace Rd., Surbiton.
1888 Dec. 4.	*LIBBIS, GEORGE HILLER ..	Standish Ry., Coppull, Chorley.
1892 Dec. 6.	*LIDDLE, WILLIAM ..	Manila Ry. Co., 40 Finsbury Circus,
1885 Dec. 1.	*LIGHT, ERNEST EDWARD ..	Ity. Dept., Redfern, N.S.W. [E.C.]
1877 Dec. 4.	LILLEY, THOMAS ISAAC ..	7 Victoria Street, S.W.
1888 Feb. 7.	LILLJEGVIST, JOHAN RUDOLF ..	32 Victoria Street, S.W.
1881 Feb. 1.	*LINACRE, JOHN .. ..	Hay, Breconshire.
1892 Dec. 6.	LINDE, ALBERT DE .. ..	Tientsin, North China.
1889. May 7.	{ LINDESAY, CHARLES DE LA POIRE CRAWFORD ..	Assistant Engineer, Govt. Rys., Durban, Natal.
1879 Dec. 2.	LINGING, FREDERICK EDWARD ..	British Gas Light Co., Norwich.
1892 Apr. 5.	LINGWOOD, GEORGE .. ..	Waterworks, Bridgetown, Barbados.
1891 Dec. 1.	*LINNELL, ALFRED JAMES ..	Redstone Wood, Redhill.
1890 May 6.	LIPSCOMB, HERBERT NICHOLSON ..	Midland Ry., Kettering.
1886 Dec. 7.	LISBOA, ALFRED .. ..	P.O. Box 907, Rio de Janeiro.
• 1878 May 28.	LITCHFIELD, HENRY CHARLES ..	Govt. Rys., Queenstown, Cape Colony.
‡ 1887 Dec. 6.	LITSTER, DAVID MICHAEL ..	P.W.D., Kyankse, Upper Burma.
1885 Apr. 14.	*LITTLE, CHRISTOPHER ..	Ry. Construction Dep., Sydney, N.S.W.
✓ 1889 Dec. 3.	{ *LITTLE, WILLIAM DORRINGTON BOYLE ..	D.P.W., Bridges Dept., Brisbane, Queensland. [Victoria.]
1888 Dec. 4.	*LITTLEJOHN, HENRY ..	18 Gellibrand St., Kew, Melbourne.
1889 Dec. 3.	LIVENS, FREDK. HOWARD, Wh.Sc.	Ruston, Proctor & Co., Lincoln.
1891 Feb. 3.	*LIVERSIDGE, JOHN GEORGE ..	Royal Naval College, Greenwich, S.E.
1886 May 18.	{ *LIVESEY, FERNANDO HARRY WHITEHEAD ..	Broad St. Av., Blomfield St., E.C.
1893 Feb. 7.	LIVINGSTONE, GEORGE .. ..	1 Pimlico Road, S.W.
1884 May 6.	LLOBET, ANDRÉS .. ..	Montevideo, Uruguay.

Date of Election.	ASSOCIATE MEMBERS.	
1891 Mar. 3.	*LLOYD, BELL GEORGE .. ..	H. S. King & Co., 45 Pall Mall, S.W.
1890 Jan. 11.	*LLOYD, CHAS. VEREKER .. ..	Scott & Co., Rangoon, Burma.
1882 May 2.	{ *LLOYD, G. A. HAMILTON FITZ- WARRINE .. .. .. ..	Dolgerddon, Rhayader, Radnor.
1892 Mar. 1.	*LOAM, MATTHEW .. .. ..	Moditanham, Hatt, Cornwall.
† 1889 Jan. 8.	LOBNITZ, FREDERIC .. .. ..	Clarence House, Renfrew, N.B.
1886 May 4.	LOCH, RICHARD .. .. ..	1 Thicket Road, Anerley, S.E.
1886 Feb. 2.	*LOCKHART, HAROLD EDWARD ..	S. M. Ry., Berar, India. [Madras.
1889 Dec. 3.	LOCKYER, JAMES EDWARD ..	Asst. Sanitary Eng., Tanjore,
1888 Apr. 10.	LOCKYER, NORMAN JOSEPH ..	8 Great George Street, S.W.
1863 Feb. 7.	LOEFFLER, JOHN CHAS. LEWIS ..	12 Queen Anne's Gate, S.W.
1880 Feb. 3.	LOGAN, JOHN WILLIAM, M.P. ..	Market Harborough.
1892 May 3.	LOMAX, CHARLES JAMES ..	11 Fold Street, Bolton.
1885 May 5.	LOMAX, WALTER JOHN ..	11 Fold Street, Bolton.
1893 May 2.	*LONG, FRANCIS MADDISON ..	30 Grove Street West, Norwich.
1869 Dec. 7.	LONG, WILLIAM HOUSTOUN ..	Union Club, Trafalgar Square, S.W.
1882 Dec. 5.	LONGRIDGE, ROBERT CHARLES ..	Kilrie, Knutsford. [Guildford.)
1875 Feb. 2.	LONGWORTH, WILLIAM ..	Gas Co., Guildford. (Longworth,
1891 Jan. 13.	LOUCH, JOHN DA VINCI ..	Eden Vale Rd., Auckland, N.Z.
1883 Mar. 6.	LOUTH, GEORGE EDWARD ..	Eng's Off., G.W.Ry., Newport, Mon.
1891 Dec. 1.	LOUTTIT, JAMES STRUTHERS ..	Australian Chams., Queen St., Bris- bane, Queensland.
1884 Mar. 4.	*LOVEGROVE, CHARLES ARTHUR ..	Benhilton, Sutton, Surrey.
1889 Jan. 8.	*LOVEGROVE, EDWIN JAMES ..	Boro' Surveyor, Richmond, Surrey.
1860 Mar. 6.	LOVEGROVE, JAMES .. ..	18 Urswick Rd., Lower Clapton, E.
1888 Feb. 7.	*LOW, PERCY ARCHIBALD ..	Ferry Works, Thames Ditton.
† 1885 Mar. 3.	*LOWCOCK, SIDNEY RICHARD ..	35 Waterloo St., Birmingham.
1874 Feb. 3.	LOWE, JOHN EDGAR .. ..	{ 2 Laurence Pountney Hill, E.C. (Bird, London. 1530.)
1890 Dec. 2.	LOWRY, FREDERICK .. ..	Drainage Commission, Bridgwater.
1892 Dec. 6.	LOWRY, ROBERT CHARLES ..	Dr. Fagan, New Westminster, Brit.
1892 Dec. 6.	LUARD, EDWARD SYDNEY ..	Malabar Hill, Bombay. [Columbia.
1870 Dec. 6.	LUCAS, ARTHUR .. .. ..	27 Bruton Street, W.
1889 Dec. 3.	LUCAS, DAN. EDW. RICHARDSON ..	1 Darnley Road, Notting Hill, W.
1891 Feb. 3.	LUCAS, SAMUEL ERNEST ..	{ Laurel Cottage, Cawlow-by-Hasland, Cheshire.
1866 Feb. 6.	LUCAS, WILLIAM HARRINGTON ..	18 Shaftesbury Rd., Ravenscourt Park, W. [public.
1884 Feb. 5.	LUCAS, WILLIAM OWEN .. ..	Central Ry., Rosario, Argentine Re-
1880 Dec. 7.	LUCKSTEIDT, HENRY .. ..	W. Watson & Co., Bombay.
1891 Feb. 3.	*LUCY, WILLIAM THEODORE ..	Central Uruguay Ry., Monte Video.
1888 Feb. 7.	LUDBROOK, SAMUEL WILLIAM ..	Commercial Gas Co., Poplar, E.
1891 Dec. 1.	LUFF, GEO. ANDREW MIDDLEMISS ..	P.W.D., Wellington, N.Z.
† 1882 Dec. 5.	LUKIS, ERNEST DU BOIS.. ..	{ Cia. Carbonifera de Piedras, Negras, Coahuila, Mexico.
1890 Mar. 4.	LUMB, TOM GALLON .. ..	12 Church St. Blackpool.
1891 Dec. 1.	LUND, ARTHUR .. .. ..	Asst. Borough Engineer, Bedford.
1888 Feb. 7.	LUND, GEORGE WILLIAM ..	Deputy Boro' Engineer, Blackburn.
1883 May 29.	*LUNGLEY, ARTHUR ROBERT ..	G.E.Fulton & Co., Adelaide, S.Austra-
1891 Jan. 13.	LUNN, ALFRED .. .. ..	Middle Level Drainage, March, Iria.
1893 Jan. 10.	LUNN, WILLIAM .. .. ..	19 Rosendale Rd., West Dulwich, S.E.
1892 May 24.	LUPTON, ERNEST .. .. ..	{ Percy Ho., Melford Rd., Lordship Lane, S.E.
1892 May 3.	*LYELL, DAVID .. .. ..	Blackwall Ry., 14 America Sq., E.C.
1887 Jan. 11.	LYELL, ROBERT, B. Sc. ..	F. C. Nord Este, Corrientes, Argen-
1892 Jan. 12.	LYNAM, FRANCIS JOHN, B.E. ..	Francis Street, Dundalk. [tina.
1891 Dec. 1.	*LYNAM, GEORGE TROTTER ..	Burgh Surveyor's Office, Aberdeen.
1873 May 6.	LYNCH, EDWARD JAMES.. ..	Baron do Rosario, Banco do Brazil,
1882 Jan. 10.	LYNCH, JOSEPH .. .. ..	{ 53 Old Broad Street, E.C.
1885 Feb. 3.	LYNDE, FREDERICK CHARLES..	Cidade de Uba, Minas Geraes, Brazil.
1858 Feb. 2.	LYON, GEORGE.. .. ..	48 King St., Manchester.
		Valparaiso, Chili.

Date of Election.		ASSOCIATE MEMBERS.		
1881	May 31.	MACALISTER, ROBERT .. ..	Roorkee, N.W.P., India.	
1892	May 3.	MACALISTER, ROBERT JNO. DUDLEY	Heathfield, Plumstead, S.E.	
1882	Apr. 4.	MCArTHUR, DUNCAN WILLIAM	Town Engineer, Horsham, Victoria.	
1889	Dec. 3.	*MACAULAY, FREDERIC WILLIAM	Cotherstone, Darlington.	
1883	Dec. 4.	MACBEAN, MALCOLM ÆNEAS	Office of Public Works, Glasgow.	
1887	Feb. 1.	MCBEATH, ALEXANDER GORDON	Cawdor Ho., Marlborough Rd., Sale.	
1890	May 6.	MACBETH, JOHN BRUCE KING	44 Tamarind Lane, Bombay.	
1881	Jan. 11.	MACBLAIR, ROBERT ALEXANDER	Bank Chambers, Lincoln.	
1890	May 20.	{ MCCALLUM, THEOPHILUS SEP- TUMUS .. .. .. .. .. }	4 Chapel Walks, Cross St., Man- chester. (1560.)	
1890	Feb. 4.	McCLEW, WILLIAM CHARLES	Erin View, Portpatrick, N.B.	
1892	May 24.	*MCCLURE, DONALD MARSH ..	3 Bridge Street, Stockport.	
1892	Dec. 6.	*McCOWAT, GEORGE HUTCHESON	7 Walworth Terrace, Glasgow.	
1888	May 15.	McCREA, JOHN BENJAMIN ..	Hesville, Rosetta Park, Belfast.	
1875	Jan. 12.	McCULLOCH, ALEXANDER ..	10 Whitehall St., Dundee.	
1889	Mar. 5.	McCULLOUGH, FREDERICK WM.	7 Chichester St., Belfast.	
1884	Dec. 2.	*MACDONALD, ANGUS RODERICK	King, Hamilton & Co., Calcutta. [N.Z.]	
1876	May 30.	MACDONALD, AUGUSTUS VANDANT	Loco. Eng., Addington, Christchurch,	
1874	Dec. 1.	MACDONALD, DAVID EDWARD ..	{ 231 Palmerston Ter., Glebe Rd., Sydney, N.S.W.	
1881	May 31.	MACDONALD, DONALD .. ..	110 Cannon Street, E.C.	
1888	Dec. 4.	MACDONALD, DONALD GRANT	Local Board, Gainsborough.	
1892	May 24.	*MACDONALD, GEORGE CHAMPION	M. & G. N. Rys., Bourne, Lincs.	
1892	Mar. 1.	*MACDONALD, MURDOCH .. ..	Munlochy, Ross-shire, N.B.	
1885	Feb. 3.	McEWEN, THOMAS SMITH ..	Govt. Rys., East London, Cape	
1879	Dec. 2.	*MACFARLANE, DONALD .. ..	Breakwater, Portland. [Colony.]	
1884	Dec. 2.	{ *MACFARLANE, THOMAS JOHN MALCOLM .. .. .. .. .. }	P.O. Box 28, Johannesburg, Trans- vaal.	
1883	Dec. 4.	MACGEORGE, LESLIE DUNCAN	County Council, Clyde, Otago, N.Z.	
1892	Apr. 5.	McGHIE, JAMES .. .. .. ..	Westfield, Rutherglen, Glasgow.	
1890	Dec. 2.	McGLASHAN, P. BLACKSTOCK	Dist. Eng., Kinta, Perak, S.S.	
1891	Dec. 1.	*McGLASHAN, WILLIAM, B.Sc.	A. A. Swan, Singapore, S.S.	
1884	Jan. 8.	McGOWAN, PERCY STANLEY ..	c.o. Examiner P.W. Accounts, Lahore.	
1879	Feb. 4.	MACGREGOR, ALF. ALEXANDER	Standedge Tunnel, Marsden, Yorks.	
1879	May 27.	*MACGREGOR, ALEXANDER ..	3 Collingham Gds., Kensington, S.W.	
1893	Apr. 11.	*MCINTOSH, HORACE ARTHUR ..	F. C. Central, Montevideo.	
1891	Jan. 13.	{ *MACINTYRE, JAMES GILBERT STEVENSON .. .. .. .. .. }	Caixa Correio 1146, Rio de Janeiro.	
m-1880	May 4.	*MACKAY, JOHN CHARLES ..	1 Crawfurd Terrace, Maidenhead.	
1890	Mar. 4.	McKELVIE, WILLIAM .. ..	City Surveyor, Ely.	
1890	Feb. 4.	MACKENZIE, ARCHIBALD THOS.	P.W.D., Thekady, Travancore, India.	
1890	Dec. 2.	*MACKENZIE, JAMES .. ..	Govt. Rys., Maritzburg, Natal.	
1884	Dec. 2.	MACKENZIE, J. KENETH DOUGLAS	Broadway Chams., Westminster, S.W.	
1889	Dec. 3.	{ MACKENZIE, THOMAS KENNETH, Wh. Sc. .. .. .. .. .. }	[India.]	
1877	Mar. 6.	MACKIE, CHARLES HASTINGS ..	R. M. Ry., Abu Road, Rajputana,	
1882	Dec. 5.	McKIE, ISAAC SHEPHERD ..	Castle Ho., Criccieth, North Wales.	
1885	Dec. 1.	McKIE, JAMES .. .. .. ..	Guildhall, York.	
1885	May 19.	*MACKINLAY, FREDERICK ..	Callao 1669, Buenos Ayres.	
1870	May 24.	MACKINNON, MATTHIE CHARLES	H. S. King & Co., 45 Pall Mall, S.W.	
1885	May 19.	*MACKINNON, WM. MACLEOD ..	Post Office, Vancouver, B.C.	
1877	Mar. 6.	MACKINTOSH, PETER ARTHUR	Galle, Ceylon.	
1880	Dec. 7.	*MACLACHLAN, ALEXANDER ..	6 Trinity Cres., Trinity, Edinburgh.	
1888	Dec. 4.	*MACLAREN, J. WADDELL BOYD	Swan and MacLaren, Singapore, S.S.	
1884	Dec. 2.	*MCLEAREN, RAYNES LAUDER	96 Addison Road, W.	
1889	Dec. 3.	MACLEAN, CHARLES WILLIAM	Marine Bld. Offs., Melbourne, Victoria.	
1883	Dec. 4.	*MACLEAN, FRANCIS WILLIAM	Railway Dept., Nelson, N.Z.	
1890	Apr. 1.	MACLEAN, MORDAUNT LEYBURN	Yamba, Clarence River, N.S.W.	
1893	May 2.	MCLELLAN, DUGALD .. ..	8 Berkeley Terrace, Glasgow.	
1877	Feb. 6.	MCLELLAN, GEORGE .. ..	Roeland St., Cape Town, C.C.	
1889	May 21.	*MCLELLAN, WILLIAM TURNER	{ 129 Trongate, Glasgow. (MacLellan, Glasgow.) [Lennan, Bilboa.]	
1879	Feb. 4.	MACLENNAN, JOSEPH .. ..	Portugalete, Bilbao, Spain. (Mac-	

Date of  
Election.

## ASSOCIATE MEMBERS.

1876 Dec. 5.	*MACMAHON, HENRY EUGENE	Allendale, Bournemouth West.
1889 Dec. 3.	McMAKIN, THOMAS .. ..	Fortaleza, Brazil.
1893 May 16.	MCMILLAN, HENRY .. ..	P.W.D., Sirsa, Punjab.
1884 May 6.	MCMINN, ARTHUR CHARLES ..	Gas L. & C. Co., Kensal Green, W.
1891 Feb. 3.	{ *MCMURTRIE, GEORGE EDWIN JAMES .. .. .. .. ..	Foxes Bridge Colliery, Cinderford, Glos'.
1890 Dec. 2.	MCNEILL, JOHN SMITH .. ..	Midland Ry., Jhansi, India.
1893 May 2.	MCNEILL, WM., Wh.Sc., A.R.S.M.	29 North Villas, Camden Square, N.W.
1878 May 28.	MACNIE, JOHN .. .. .. ..	Gasworks, Londonderry.
1887 Apr. 5.	MCPherson, JOHN AMBROSE ..	Waterworks Office, Bristol.
1892 May 3.	MACRONE, GRIEVE .. .. .. ..	Inverarnan, Crianlarich, N.B.
1892 Apr. 5.	MACTIER, ALEXANDER STEWART	14 Somerset Place, Bath.
1892 May 24.	*MADDOCK, PERCY WALTER ..	38 Walmer Rd., Birkdale, Southport.
1891 Jan. 13.	MAGINNIS, JAMES PORTER ..	9 Carteret St., Westminster, S.W.
1884 Apr. 1.	MAHONY, FRANCIS RONAN ..	Water Supply Off., Ballarat, Victoria.
1889 Feb. 5.	MAIR, HUGH .. .. .. ..	Vestry Hall, Hammersmith, W.
1891 Dec. 1.	*MAIR, JAMES, Wh.Sc. .. ..	39 Inverleith Row, Edinburgh.
1884 Apr. 1.	*MAIS, CHAS. LESLIE STEWART	10 Harbor St., Kingston, Jamaica.
† 1891 Dec. 1.	*MALCOLMSON, J. WADDELL, Wh.Sc.	Catorce, San Luis Potosi, Mexico.
1882 Mar. 7.	*MALET, ALLAN A. GRENVILLE	Parry & Co., Madras. [vaal.
1889 Dec. 3.	MALLALIEU, FRANCIS MAYALL	P.O. Box 715, Johannesburg, Trans-
1889 Apr. 2.	MALTBY, FREDERIC THOMAS ..	Boro' Engineer's Office, Guildford.
1874 Feb. 3.	*MANN, FREDERICK GOTHER ..	{ Dr. Harvey, Harvey River Station, via Bunbury, Western Australia.
1891 May 5.	MANN, JABEZ .. .. .. ..	Local Board, Sevenoaks.
1886 Jan. 12.	MANN, JOHN RANDALL .. ..	{ Beaumont House, The Woodlands, Isleworth. [Victoria.
1883 May 1.	*MANN, JOHN RANDALL, Jun..	222 Leicester St., Carlton, Melbourne,
1887 Apr. 5.	MANN, JOHN WADDINGTON ..	{ Recife & São Francisco Railway, Pernambuco. [S.E.]
1876 May 2.	MANNERING, HORACE JOHN ..	Hazlewood, Garlies Rd., Forest Hill,
1891 May 5.	*MANSERGH, ERNEST LAWSON ..	5 Victoria Street, S.W.
1891 Dec. 1.	*MANTON, ARTHUR WOODROFFE	Ship Canal, Runcorn.
1881 Feb. 1.	*MANWARING, HENRY HARE ..	107 Manor Road, Brockley, S.E.
1885 Feb. 3.	*MARCEZ, ALEXANDER ..	23 St Swithin's Lane, E.C.
1889 May 21.	MARCHBANKS, JAMES .. ..	Manawatu Ry., Wellington, N.Z.
1883 May 1.	*MARJORIBANKS, DUDLEY SINCLAIR	125 Park Rd., Newcastle-on-Tyne.
1893 Jan. 10.	*MARKBY, WALTER .. .. ..	155 Westbourne Terrace, W.
1892 Dec. 6.	*MARKS, EDWARD CHAS. ROBT.	13 Temple Street, Birmingham.
1884 Mar. 4.	*MARKS, GEORGE CROYDON ..	{ 13 Temple Street, Birmingham. (Pumps, Birmingham.)
1887 Apr. 5.	*MARKS, HENRY CAPNER ..	Boro' Engineer, Dewsbury.
1872 Dec. 3.	MARKS, THOMAS THOMAS ..	Llewelyn Chambers, Llandudno.
1887 Feb. 1.	*MARIAN, FREDERIC YORK ..	6 Streatham Rd., Kilburn, N.W.
1889 Feb. 5.	*MARSII, DOUGLAS EARLE ..	G. W. Ry., Swindon.
1887 May 3.	*MARSII, LEO. SWAINE MORTLOCK	Waterworks Office, Sheffield.
1876 Feb. 1.	MARSHALL, ARTHUR, B.A. ..	Sunnyside, Potter's Bar, N. [Russia.
1886 Dec. 7.	*MARSHALL, HERBERT AUGUSTUS	Alexandrowsk, Ekaterinoslav, South
1889 May 7.	MARSHALL, JENNER GUEST ..	{ Chance Bros. & Co., Glass Works nr. Birmingham.
1893 Mar. 7.	MARSHALL, LAUNCELOT PAUL	City Eng.'s Office, Norwich.
1888 May 15.	MARSTON, CHARLES FREDERICK	Borough Surveyor, Sutton Coldfield.
1892 May 24.	*MARSTON, EDWARD HOWIS ..	15 Disraeli Road, Forest Gate, E.
1884 Feb. 5.	MARSTON, GEORGE DALLAS ..	G.I.P. Ry., Bombay.
1884 May 27.	*MARTEN, HENRY JAMES ..	158 Streatham High Road, S.W.
1891 May 5.	*MARTEN, HUBERT BINDON ..	G. W. Ry., Pangbourne.
1893 Apr. 11.	*MARTIN, ERNEST METEOR ..	Hanwell, W.
1878 Feb. 5.	MARTIN, GEORGE .. .. ..	Gasworks, Bahia, Brazil.
1887 Dec. 6.	MARTIN, JOSEPH ERNEST ..	Nizam's Ry., Hyderabad, India.
1885 May 19.	MARTIN, PEDRO TOMAS-Y- ..	Megaw & Norton, 36 Lime St., E.C.
1877 Mar. 6.	MARTIN, THOMAS HENRY ..	New Barnet, Herts.
1887 Dec. 6.	*MARTIN, WALTER RICHARDS ..	65 Cornwall Gardens, S.W.

Date of  
Election.

## ASSOCIATE MEMBERS.

1886 May 18.	MARTIN, WILLIAM JAMES ..	{ Agnas Corrientes, Rosario de Santa Fé, Argentina.
1888 Dec. 4.	*MARTINDALE, WARINE BEN HAY ..	38 Parliament St., S.W.
1890 Dec. 2.	*MARTINEAU, HOWARD ..	4 South Rd., Clapham Park, S.W.
1892 Feb. 2.	*MARTINEAU, LOUIS ..	Albion Works, Victoria, B. Columbia.
1893 Mar. 7.	*MARTIN-LEAKE, RICHARD ..	Marshalls, Ware, Herts.
1888 Dec. 4.	*MARTIN-LEAKE, STEPHEN ..	Marshalls, Ware, Herts.
1880 Dec. 7.	MARTYN, GEORGE VALENTINE ..	H. S. King & Co., 45 Pall Mall, S.W.
1884 Dec. 2.	*MARWOOD, HORACE RICHARD ..	{ Piraeus Larissa Ry., Grande Maisons Mélas, Athens.
1887 May 3.	MASON, CHARLES ..	Town Hall, Charing Cross, S.W.
1877 Dec. 4.	*MASON, WILLIAM JOSHUA ..	Holmleigh, The Avenue, Surbiton.
1881 May 31.	MASSEY, JOHN DUNHAM ..	103 Central Hill, Upper Nor'w'd, S.E.
1888 Apr. 10.	MASSEE, FRANK ..	Tetley Ho., Kirkgate, Wakefield. [W.
1884 Feb. 5.	MASTERMAN, CHARLES EDWARD ..	6 Thorneycroft Rd., Gunnersbury,
1886 Feb. 2.	MASTERTON, HENRY ..	111 Boutport St., Barnstaple.
1887 Feb. 1.	MATHESON, DONALD ALEXANDER ..	Central Ry., 97 Union St., Glasgow.
† 1883 Mar. 6.	MATHESON, HENRY CRIPPS ..	e.o.Messrs.Russell & Co., Hong Kong.
1892 May 24.	MATHEW, CHARLES ..	Local Board, Tottenham, N.
1867 Apr. 2.	MATHEWS, EDWARD DAVIS ..	A. F. Baillie, Dashwood House, E.C.
1893 Jan. 10.	MATHEWS, GEORGE SOMERS ..	Local Board, Dorking.
1865 Jan. 10.	MATTHEWS, HENRY GARLAND ..	3 Pembroke Cottages, Kensington,
1877 Mar. 6.	*MATTHEWS, WM. MACDONALD ..	1 Chapel Place, Ramsgate. [W.
1888 May 1.	*MATTOS, ALVARO GOMES DE ..	98 Rua da Saule, Rio de Janeiro.
1887 Dec. 6.	MAUGHAN, JAMES ARCHIBALD ..	C.P. State Collieries, Umaria, India.
1885 May 19.	*MAUNSELL, FRED. WM., B.A. ..	Eldenmore, Raheny, co. Dublin.
1884 Dec. 2.	MAVOR, PERCY WILLIAM ..	Linares, Spain.
1885 Dec. 1.	MAWBEEY, ENOCH GEORGE ..	Borough Surveyor, Leicester.
1885 Apr. 14.	*MAXTED, GEORGE VINCENT ..	6 Church Mount, Sutton-on-Hull.
1877 Apr. 10.	MAXWELL-MÜLLER, ROBT. WM. ..	47 Victoria Street, S.W.
1889 Apr. 2.	*MAY, CHARLES ERSKINE ..	P.W.D., Perth, W. Australia. [S.W.
1885 Mar. 3.	*MAY, CHARLES RAMSDEN ..	Easton & Anderson, 3 Whitehall Pl.,
1886 Dec. 7.	MAY, FRANCIS JOHN CHARLES ..	25 Compton Avenue, Brighton.
1876 Mar. 7.	MAY, JAMES GEORGE ..	12 Blandford Square, N.W.
1892 May 3.	*MAY, JOHN ..	38 Castle Street, Canterbury.
1883 Apr. 3.	MAY, OLIVER ..	Gas and Waterworks, Canterbury.
1879 Dec. 2.	MAY, THOMAS ..	Gasworks, Richmond, Surrey.
1884 May 27.	MAY, THOMAS, Jun. ..	L. & N. W. Ry., Walsall.
1890 Jan. 14.	*MAY, WALTER EDWARD ..	P. W. D., Avisawella, Ceylon.
1866 Mar. 6.	MAYER, EDW. ADOLPHUS FENWICK ..	Calicut, Malabar Coast, India.
1893 Jan. 10.	*MAYES, ARTHUR ERNEST ..	G.I.P. Ry., Sholapur, India.
1889 Dec. 3.	MAYLOR, WILLIAM, JUD. ..	St. Luke's Vestry Hall, City Rd., E.C.
1890 May 6.	{ *MAYNARD, JOHN CLARKSON ..	Eastbourne, Manor Rd., Leyton, E.
	PHILLIPS ..	Devon Lodge, Sutton, Surrey.
1893 Jan. 10.	MEABY, MICHAEL CHARLES ..	St. Lucia, West Indies.
1876 Jan. 11.	MEAD, ARTHUR ..	Midland Ry., Jhansi, N.W.P., India.
1886 Dec. 7.	MEAD, FRANK ..	13 Victoria Street, S.W.
1871 Mar. 7.	MEAGHER, JAMES JOSEPH ..	National Bank, Musselburgh, N.B.
1890 Dec. 2.	MEE, GEORGE HENRY ..	I. Schenkenstrasse 10, Vienna.
1883 May 29.	MELILEEK, JOSEPH ..	76 Via Poerio, Naples.
1886 May 4.	*MELDRUM, JAMES ..	{ Boro' Eng.'s Office, Tunbridge Wells.
1888 Feb. 7.	MELHUISH, THOS. WALT. WARREN ..	P.W.D., Western Nara, Sind, India.
1877 May 29.	{ MELISURGO-MELISSENOS, GIULIO ..	Menai Bank, Carnarvon.
	CESARE ALESSANDRO ..	{ 38 Chatham St., Liverpool. (Arranree, Liverpool.)
1893 May 16.	{ MELLOR, THOMAS EDWARD ..	314 Punt Rd., South Yarra, Victoria.
	WHEATLEY ..	Pittsburgh Gold Mines, Battle Mountain, Nevada, U.S.
1882 May 2.	*MENNEER, RICHARD ROBERT ..	
1874 Feb. 3.	MENZIES, JOHN ..	
1883 Dec. 4.	*MERCER, GEORGE BARKER ..	
1866 Dec. 4.	MERCER, WILLIAM ..	
1889 Dec. 3.	MERCER, WILLIAM ALEXANDER ..	

Date of  
Election.

## ASSOCIATE MEMBERS.

1893 May 2.	MERCIECA, VINCENZO .. ..	Vescovo 28, Valletta, Malta.
1891 May 5.	MEREDITH, WILLIAM MAXSE ..	J. C. Howell, New Dock, Llanelly.
1891 Apr. 7.	MESSINGER, THOMAS .. ..	2 Clarence Lawn, Dover.
1888 Mar. 6.	*MESSENT, PHILIP GLYNN ..	Port Trust, Bombay.
1892 Feb. 2.	METCALFE, JOHN WILLIAM ..	31 Tunworth Rd., Ashby-de-la-Zouch.
m † 1888 May 15.	*METCALFE, ARTHUR WHARTON	Highcliff, Leigh Woods, Bristol.
1885 Mar. 3.	{ METCALFE, Sir CHAS. HERBERT THEOPHILUS, Bart. .. ..	Sir Douglas Fox, 28 Victoria Street, S.W.
1892 Dec. 6.	METCALFE, HENRY HULBERT ..	Hamilton, Auckland, N.Z.
1884 Feb. 5.	METHVEN, JOHN .. .. ..	Gas L. & Coke Co., Beckton, E.
1878 Feb. 5.	{ *MEYSEY-THOMPSON, ARTHUR HERBERT .. .. ..	Sun Foundry, Leeds.
1880 May 4.	*MICHELL, THEOPHILUS .. ..	17 Trewhirgie Rd., Redruth.
1881 Dec. 6.	*MICHELL, WILLIAM .. ..	King, King & Co., Bombay.
1889 Jan. 8.	*MIDDLEMIST, HENRY WARD ..	Graveley, Stevenage, Herts.
1892 Feb. 2.	MIDDLETON, RICHARD HENRY ..	Borough Engineer, Walsall.
1892 Dec. 6.	MILBOURNE, ROBERT JOHN ..	325 Hunslet Rd., Leeds.
1893 Mar. 7.	*MILDRED, CHARLES .. ..	P.W.D., Nellore, Madras.
1892 Dec. 6.	MILLER, ERNEST .. .. ..	{ Municipal Offices, St. Peter's Side, Nottingham. [Conn., U.S.
1887 Mar. 1.	*MILLER, FREDERICK FRASER ..	Berlin Bridge Co., East Berlin,
1893 May 2.	MILLER, HARRY WILLIAM ..	{ New Chimes Gold Co., Johannesburg, Transvaal.
1883 Feb. 6.	MILLER, HENRY .. .. ..	Surveyor, Felling, co. Durham.
1892 Dec. 6.	*MILLER, HENRY MORLEY ..	71 Edleston Road, Crewe.
1892 Mar. 1.	MILLER, HERBERT WOODVILLE ..	2 York Mansions, Earl's Court, S.W.
1892 Dec. 6.	*MILLER, ROBERT FAULDS ..	10 Windsor Ter., Kelvinside, Glasgow.
1885 Dec. 1.	*MILLER, THOMAS LODWICK ..	7 Tower Bldgs. N., Water St., Liverpool.
1883 Dec. 4.	*MILLES, ROBERT SYDNEY ..	{ Eng.-in-Chief's Off., Hobart, Tasmania.
1881 Dec. 6.	MILLHOUSE, WILLIAM .. ..	Corporation Waterworks, Scarborough.
1890 Apr. 1.	MILLS, ARTHUR EDWIN .. ..	St. Leonards Merrion, co. Dublin.
1882 May 23.	MILLS, CHARLES AUGUSTUS ..	Grindlays, 55 Parliament St., S.W.
1892 Dec. 6.	*MILLS, GEORGE PILKINGTON ..	Round Hill Cottage, Beeston, Notts.
1885 Dec. 1.	*MILLS, JOHN CHARLES .. ..	King, King & Co., Bombay.
1884 Feb. 5.	*MILLS, WM. BURTON SAVILLE ..	L. C. & D. Ry., Bickley.
1870 Apr. 5.	MILNER, HENRY ERNEST .. ..	{ Dulwich Wood, Norwood, S.E. (Payagiste, London.)
1888 Dec. 4.	*MILNES, GEORGE PERCIVAL ..	Town Surveyor, Stroud, Glos.
1882 Dec. 5.	MINAMI, KIVOSHI .. .. ..	Sanyo Ry., Hiogo, Japan.
1888 May 1.	*MINCHIN, CHARLES FREDERICK ..	9 Mount Ephraim, Tunbridge Wells.
1881 Apr. 5.	MINCHIN, JOHN BIRCH .. ..	J. D. Campbell & Co., Taona, Chili.
1891 May 5.	MIRRLEES, WM. JULIUS, B.Sc. ..	42 Aytoun Rd., Pollokshields, Glas. co. Bank of Mexico, Mexico. [gown.
1893 Jan. 10.	MITCHELL, ERNEST HERBERT ..	39 Bruntsfield Pl., Edinburgh.
1883 Feb. 6.	MITCHELL, HUGH .. .. ..	G. I. P. Ry., Khandwa, C.P., India.
1889 Jan. 8.	*MITCHELL, HUGH MCPHERSON ..	Calcutta.
1886 Feb. 2.	MITCHELL, THOMAS .. .. ..	Mining Offices, Eldon St., Barnsley.
1888 May 15.	MITCHELL, THOS. WILFRED HOWE ..	Durban, Natal.
1891 Jan. 13.	MITCHESON, PERCY EDWARD ..	Buenos Ayres.
1882 Dec. 5.	MITRE Y VEDIA, EMILIO ..	1 Yabsley Street, Poplar, E.
m † 1889 Feb. 5.	*MOIR, ERNEST WILLIAM ..	5 Great George Street, S.W.
1883 May 29.	{ MOLECEY, CHARLES SIMPSON TWIGGE .. .. ..	34 Victoria Street, S.W.
1891 Dec. 1.	MOLESWORTH, R. BRIDGES, M.A. ..	19 The Avenue, Clifton, Bristol.
1881 May 31.	MOLINE, WILLIAM .. .. ..	P. W. D., Sewerage, Sydney, N.S.W.
1889 Feb. 5.	MOLLISON, JAMES SMITH ..	3532 Washington Av., St. Louis, U.S.
1883 Feb. 6.	MOLONY, JOHN STORAN, M.E. ..	Harbour Trust, Melbourne, Victoria.
1893 Feb. 7.	MONASH, JOHN, M.E. .. ..	Torrington House, Pinner, Watford.
1890 May 6.	MONCKTON, CLAUD .. .. ..	H. S. King & Co., 65 Cornhill, E.C.
1880 May 4.	*MONCKTON, MARMADUKE JOHN ..	2 St. Nicholas Bldgs., Newcastle-on-
1890 May 6.	MONCRIEFF, JOHN MITCHELL ..	Ch. Surveyor of Rds., Stafford. [Tyne.
1886 Feb. 2.	MONCUR, JAMES .. .. ..	Railway Co., Palermo, Sicily.
m † 1888 Feb. 7.	*MONEY, ROBERT JARRATT ..	

Date of Election.	ASSOCIATE MEMBERS.			
1892 Apr. 5.	MONIES, ALFRED .. .. ..	Grindlay & Co., Calcutta.		
1866 Feb. 6.	MONSON, EDWARD .. .. ..	43 Mill Hill Road, Acton, W.		
1882 Feb. 7.	*MONSON, GEORGE JOHN .. ..	Local Board, Swinton, Rotherham.		
1886 Apr. 6.	MONSON, HENRY .. .. ..	Vestry Hall, Piccadilly, W.		
1878 May 28.	*MONTAGUE, JNO. MONTHERMER, M.A.	Mozafferpore, Tirhoot, Bengal.		
1887 Apr. 5.	*MONTANARO, ALFRED MONROY	{ F. C. Tehuantepec, Coatzacoalcos, Mexico.		
1892 Mar. 1.	*MONTEATH, KENNETH McLaurin	The Broich, Crieff, N.B.		
1889 Dec. 3.	{ MOOKERJEE, ATUL KRISHNA, B.C.E. .. .. ..	District Eng., Dinaigapore, Bengal.		
1882 Dec. 5.	MOOKERJEE, RADHICA PROSAUD	24 Pergunnahs Bhowanipore, Cal-		
1876 Mar. 7.	*MOORE, ALEXANDER WILLIAM	G. W. Ry., Frome. [cutia.		
1891 May 5.	*MOORE, ARTHUR MEYRICK ..	Highfield Ho., Shrewton, Devizes.		
1887 Mar. 1.	MOORE, CUNINGHAME WILSON	P.O. Box 88, Cape Town, C.C. [S.W.		
1886 Dec. 7.	*MOORE, EDWIN HENRY .. ..	20 Baskerville Rd., Wandsworth Com.,		
1891 Dec. 1.	*MOORE, KENTISH .. .. ..	6 Lee Terrace, Blackheath, S.E.		
1883 Dec. 4.	*MOORE, RICHARD ST. GEORGE	17 Victoria Street, S.W.		
1888 Mar. 6.	MOORE, WILLIAM JAMES PERRY	{ Worthington Co., 153 Queen Victoria Street, E.C.		
1891 Dec. 1.	MOORHEAD, R. BRADSHAW, B.A.	Railway, Tientsin, China.		
† 1886 Mar. 2.	MORE, JAMES, JUN. .. ..	49 Orlando Rd., Clapham, S.W.		
1892 Feb. 2.	MORGAN, ARTHUR HENRY ..	Kyat-Pyin, Ruby Mines, Burma.		
1890 Feb. 4.	MORGAN, JAMES .. .. ..	City Engineer's Office, Liverpool.		
1889 Dec. 3.	MORGAN, WILLIAM BARLOW ..	3 St. Leonard's Terrace, Weymouth.		
1889 Dec. 3.	{ *MORIARTY, HARRY ALLASTER, OPEN .. .. ..	Roads Office, Albany, N.S.W.		
1889 Mar. 5.	*MORLEY, JOHN GEORGE .. ..	Town Hall, West Ham, E.		
1891 Dec. 1.	{ MORONY, HENRY VEREKER, LLOYD, B.E. .. .. ..	Harbour Engineer, Limerick.		
1883 Feb. 6.	MORRIS, EDMUND LEGH .. ..	New River Wks., Finsbury Pk., N.		
1889 Dec. 3.	*MORRIS, FRANCIS SANDERS ..	22 Buckingham Street, Strand, W.C.		
1889 Dec. 3.	MORRIS, PERCY MACDONALD ..	The Hall, Uttoxeter.		
1888 May 15.	*MORRIS, WILLIAM ROBERT ..	30 Ebury St., Pimlico, S.W. [Ayres.		
1879 Dec. 2.	MORROW, WILLIAM HENRY ..	Neild & Co., 265 Calle Maipu, Buenos		
1887 May 24.	*MORSE, AMYAS .. .. ..	N. W. Ry., Lahore, India.		
1892 Mar. 1.	MORTON, DAVID HOME .. ..	95 Bath Street, Glasgow.		
1890 Mar. 4.	*MOSS, HENRY ALLAN .. ..	Yellamanchili, Madras.		
1879 Feb. 4.	MOSSALEM, M. LABEEB .. ..	Cairo, Egypt.		
1892 Dec. 6.	{ MOULD, GEORGE ALEXANDER, HUTCHINGS .. .. ..	P.W.D., Kingston, Jamaica.		
1877 May 1.	MOULLIN, ARTHUR DANIEL ..	Firmain, Parkstone, Dorset.		
1893 Jan. 10.	MOUNTAIN, ARTHUR HENRY ..	Withington, near Manchester.		
1877 Mar. 6.	*MOYLE, SAMUEL .. .. ..	33 Great George Street, S.W.		
1890 Mar. 4.	MOYNAN, JOSEPH, B.C.E. ..	Chief Eng., Dundas Shire, Victoria.		
1891 Dec. 1.	MUDIE, JAMES ROBERT .. ..	P.W.D., Hong Kong.		
1889 Feb. 5.	*MUIR, EDWARD LESLIE ROBT.	Eng.'s Office, Midland Ry. Derby.		
1890 Dec. 2.	MULLER, JOHAN VIGGO SIGVALD	Newquay, Cornwall.		
1886 Feb. 2.	*MULLIGAN, THOS. NORTH ..	1 Vico Ter., Dalkey, co. Dublin.		
1877 Jan. 16.	*MULOCK, GEORGE PHILLIPS ..	Fleetwood Docks, Lancashire.		
1885 Feb. 3.	MUMFORD, ARTHUR GEORGE ..	Colchester.		
1885 May 19.	MUNCE, JAMES .. .. ..	Town Hall, Belfast.		
m 1872 May 7.	*MUNDAY, HENRY THOMAS ..	12 Victoria St., S.W. [Sq., Glasgow.		
1890 Dec. 2.	MUNN, ROBERT ANDREW ..	Donald Currie & Co., 49 St. Enoch		
1892 Mar. 1.	MURCOTT, DANIEL .. .. ..	Tocumwal, New South Wales.		
1867 May 7.	MURDOCH, GEORGE BROWN ..	Charlesfield, Kelso, N.B.		
1889 Dec. 3.	MURGATROYD, SAMUEL LEES ..	M. S. & L. Ry., Manchester.		
1871 Dec. 5.	MURPHY, PHILIP EDWARD ..	16 Eagle Avenue, Tottenham, N.		
1890 Jan. 14.	*MURRAY, CHARLES .. ..	P.O. Box 431, Johannesburg, Trans-		
1883 Feb. 6.	MURRAY, JOHN .. .. ..	Correio 906, Rio de Janeiro. [vaal.		
1890 Apr. 1.	MURRAY, STEWART BINNY ..			
1874 Dec. 1.	{ MURZBAN, MUNCHERJEE COWAS-JEE, Khán Bahádúr, C.I.E. ..	Ex. Eng., Presidency, Bombay.		
1886 Dec. 7.	*MUSGRAVE, JAMES .. .. ..	Glenart Lodge, Blackrock, co. Dublin.		

Date of  
Election.

## ASSOCIATE MEMBERS.

1881 May 3.	MYALL, AMBROSE AUGUSTUS ..	21 Cockspur St., S.W. (Ipra, London.)
1887 Mar. 1.	MYLNE, HENRY CHARLES ..	Duncan Bros., 28 Victoria St., S.W.
1890 Mar. 4.	MYRES, JOHN JAMES .. ..	15 Chapel St., Preston.
1886 May 4.	NABHOLZ, KARL EMIL .. ..	Irish Lights Office, Dublin.
1891 Mar. 3.	*NAPIER, ARCHIBALD SCOTT ..	King, King & Co., Bombay.
1888 Jan. 10.	{ *NAPIER, Hon. EDWARD HERBERT SCOTT .. ..	Grindlay, Groom & Co., Bombay.
1890 Dec. 2.	NARDIN, ERNEST ANTHONY ..	Box 37, G.P.O., Sydney, N.S.W.
1887 Dec. 6.	NASH, ALFRED GEORGE, B.Sc.	Greenvale House, Mile Gully P.O.,
1884 May 27.	NATHAN, BENJAMIN ARTHUR ..	Santafiora, Grosseto, Italy. [Jamaica,
1892 Dec. 6.	NAYLOR, WILLIAM .. ..	16 Walton's Parade, Preston.
1878 Feb. 5.	*NEAL, HERBERT .. ..	Copers Cope Rd., Beckenham.
1889 Jan. 8.	NEALL, FRANK FEARNE .. ..	Gov.Rys., Maritzburgh, Natal. [India.
1885 May 5.	NELSON, HENRY .. ..	Rohilkund Canal, Bareilly, N.W.P.
1883 Dec. 4.	*NETTLEFOLD, HUGH .. ..	Hallfield, Edgbaston, Birmingham.
1891 May 5.	NETTLETON, HUGH .. ..	Town Hall, Weston-super-Mare.
1888 Dec. 4.	*NEVILLE, PERCY .. ..	Harbour Works, Douglas, I. of Man.
1891 May 12.	NEVINS, HUBERT PENROSE ..	Water Dept., Melbourne, Victoria.
1879 Mar. 4.	NEVITT, CHRISTOPHER JOHN ..	13 Bailey St., Stafford.
1882 Dec. 5.	NEWCOMBE, ALFRED, CORNELIUS.	Bolarum, Deccan, India.
1892 Dec. 6.	*NEWDIGATE, EDWARD .. ..	27 Clarendon Square, Leamington.
1889 Feb. 5.	*NEWELL, THOMAS MONK ..	Dock Office, Hull.
1882 Dec. 5.	NEWHAM, WILLIAM EDWARD ..	Toungoo Ry., Mandalay, Burma.
m † 1874 May 12.	*NEWMAN, JOHN .. ..	2 Logan Vils., Bath Rd., Hounslow.
1890 May 6.	NEWMAN, JOHN THOMAS ..	190 Church Hill Rd., Handsworth.
1893 May 16.	*NEWMAN, REGINALD WILLIAM ..	{ 3 Kempton Villas, Hampton on-Thames.
1891 May 5.	*NEWMARCH, HERBERT SMALES ..	Assam Bengal Ry., Comillah, India.
1892 Feb. 2.	*NEWMARCH, LEONARD JOHN ..	Govt. Rys., Tientsin, China.
1891 Dec. 1.	NEWSOME, FREDERIC WALTER ..	Govt. Rys., Tientsin, China.
1893 May 2.	NEWTON, ARTHUR EDGAR ..	Roads & Bridges Dept., Forbes, N.S.W.
1880 Apr. 6.	{ NEWTON, ALFRED HOWARD ..	Asst. Municipal Eng., Singapore, S.S.
	{ VINCENT .. .. ..	
1871 May 23.	NEWTON, JOSEPH .. ..	201 Norwood Road, Herne Hill, S.E.
1868 May 5.	NEWTON, SAMUEL BARTON ..	Bhowalée, Naini Tal, N.W.P., India.
1885 Dec. 1.	*NEWTON, WILLIAM GYLlich ..	44 Davies St., Berkeley Square, W.
1887 May 24.	NEWTON, WILLIAM JOSEPH ..	Boro' Surv., Town Hall, Accrington.
1877 Feb. 6.	NICE, ALFRED SLATER ..	Carlton Hall, nr. Newmarket.
1888 Feb. 7.	*NICHOLL, ARTHUR EDWARD ..	The Rectory, Streatham, S.W.
1890 Dec. 2.	*NICHOLS, ALBERT EDWARD ..	Boro' Eng.'s Office, Leeds.
1886 Dec. 7.	NICHOLS, HARRY BERTRAM ..	{ Grosvenor Champs., Corporation St.,
		Birmingham.
1888 Apr. 10.	*NICHOLSON, GEORGE TAYLOR ..	The Terrace, Roker, Sunderland.
1890 Dec. 1.	NICHOLSON, WALTER SERY ..	30 Great George St., S.W.
1887 May 3.	NICOL, ROBERT GORDON ..	Harbour Eng.'s Office, Aberdeen.
1888 Dec. 4.	NISBET, THOMAS .. ..	Public Works Office, Glasgow.
1872 Dec. 3.	*NOAD, WELLESLEY INNES ..	District Eng., De Aar, Cape Colony.
1888 Jan. 10.	NORDENFELT, PETER ..	Rue Auber 8, Paris.
1879 Feb. 4.	NORFOR, ROBERT EDWARD ..	Messrs. Binny & Co., Madras.
1886 Apr. 6.	NORMAN, WALTER .. ..	Vulcan Foundry, Newton-le-Willows.
1881 Apr. 5.	NORMANVILLE, WILLIAM DE ..	Boro' Eng., Town Hall, Leamington.
1890 Dec. 2.	NORRINGTON, JAMES PALMER ..	Vestry Offices, Fulham, S.W.
1885 Feb. 3.	*NORTH, JOHN .. ..	Oakley House, near Scoul, Norfolk.
1892 May 3.	*NORTH, MAJORIANS KEEFEL ..	P.W.D., Georgetown, British Guiana.
1892 Dec. 6.	*NORTON, WILLIAM BARRON ..	Co. Eng.'s Office, Town Hall, Cardiff.
1891 Dec. 1.	*NOWELL, THOMAS BENSON ..	1 Rusham Rd., Nightingale Lane, S.W.
1893 May 2.	NOWROJI, HORMUSJI, B.C.E. ..	Asst. Sanitary Eng. to Govt., Madras.
1876 Feb. 1.	NUBAR, BOGHOS, Bey .. ..	{ Ing. des Arts et Manufactures,
		Alexandria.
1887 May 24.	*NUNN, FRANCIS CRUMPTON ..	Eastnor, Sydenham Hill, S.E.

Date of Election.	ASSOCIATE MEMBERS.	
1872 May 7.	NUTTALL, THOMAS .. ..	Bury, Lancashire.
1888 Apr. 10.	*NYE, WILLIAM THOMAS .. ..	Gaswks., Rockhampton, Queensland.
1885 May 5.	OAKES, Sir REG. LOUIS, Bart.	
1887 May 3.	{ *OAKLEY, ALGERNON SEYMOUR BERNARD .. .. ..	Gold Mining Co., Colar Rd., My- sore, India.
1892 Apr. 5.	O'CONNOR, HENRY .. ..	Gas Light & Coke Co., Beckton, E.
1880 May 25.	*ODDIE, HENRY JAMES .. ..	Aston, Stevenage, Herts.
1873 Mar. 4.	*ODLING, FRANCIS JAMES .. ..	Box 314, G.P.O., Melb'rue, Victoria.
1887 Mar. 1.	O'DRISCOLL, FLORENCE, M.P.	18 Gower Street, W.C.
1890 Dec. 2.	{ *O'DWYER, JOHN SEABURY, B.A.Sc. .. .. ..	c.o. Vice-President, Canadian Pacific Ry., Montreal.
1889 Jan. 8.	*OERTEL, FRED. OSCAR .. ..	Allahabad, India.
1877 Mar. 6.	OGILVIE, ARTH. GRAEME, B.A.	4 Great George Street, S.W. [Mexico.
1886 Jan. 12.	*OGILVIE, GEORGE TOD .. ..	H. G. Gibbon, 2A Humboldt 3,
1880 Dec. 7.	*OGILVIE, ROBT. CHAS. FREDK.	Great Southern Ry., Aguilas, Spain.
1859 Jan. 11.	OHREN, MAGNUS .. ..	Lower Sydenham, S.E.
1892 Dec. 6.	OKE, FRANCIS ROBERT .. ..	5 Coppenhall Terrace, Crewe.
1865 Apr. 4.	OKES, JOHN CHARLES RAYMOND	39 Queen Victoria St., E.C. (Oak- tree, London.)
1875 Feb. 2.	OLANDER, EDMUND .. ..	G.W.Ry., Eng.'s Off., Paddington, W.
1887 Dec. 6.	*OLD, TRENHAM .. ..	BayRd., St.Leonards, Sydney, N.S.W.
1889 May 21.	OLDFIELD, DAVID .. ..	Bloemfountain, Orange Free State.
1889 Mar. 5.	OLIVER, CALDER EDKINS ..	Board of Works, Melbourne, Victoria.
1889 Dec. 3.	OLIVER, CHARLES DEANE, B.E.	Rockmill Lodge, Mallow, co. Cork.
1893 May 2.	OLIVER, GILBERT THOS. INGLIS	P.W.D., Mandalay, Burma.
1881 Dec. 6.	OLIVER, ROBERT STEWART ..	19 Ness Bank, Inverness.
1865 Apr. 4.	OLIVER, THOMAS .. ..	Horsham.
1885 Apr. 14.	OLLIS, WILLIAM BAKER .. ..	Blagdon, near Bristol.
1881 Dec. 6.	OLSEN, HANS BLOM .. ..	Toldbodgaden 12b, Christiania.
1884 Feb. 5.	*O'NEILL, WILLIAM PURCELL ..	{ M. G. W. Ry., Athlone. (O'Neill, Athlone.)
1864 Mar. 1.	ONSLAW, DOUGLAS ARTHUR ..	5 Upper Richmond Rd., Putney, S.W.
1893 Mar. 7.	OPENSHAW, JAMES .. ..	City Surveyor's Office, Sheffield.
1890 Apr. 1.	ORDISH, OWEN .. ..	Dockyd., Haulbowline, Queenstown.
1892 Mar. 1.	*O'REILLY, FRANCIS JOSEPH ..	Point Ellice, Victoria, B. Columbia.
1892 Dec. 6.	ORMEROD, GEORGE HOLT ..	Grindlay & Co., Calcutta.
1885 Feb. 3.	*ORMEROD, RICHARD OLIVER ..	35 Philbeach Gardens, S.W.
1890 Mar. 4.	ORR, ADOLPHE ERNEST ..	12 Pembridge Place, W.
1889 Dec. 3.	ORR, HENRY ADAIR ..	Pemberley, Bedford. [Merthyr.
1887 Dec. 6.	ORTON, FREDERICK .. ..	Cantref Reservoir, Cwm Taif Fawr,
1890 Dec. 2.	*OSBORN, ASHBY FREDERICK ..	Roads Office, Cowra, N.S.W.
1891 Apr. 7.	OSBORN, FRANK CHITTENDEN ..	452 Arcade, Cleveland, Ohio, U.S.
1891 May 5.	OSMAN, CHARLES WILLIAM ..	G.I.P. Ry., Poona, Bombay.
1887 Dec. 6.	*OSMOND, WILLIAM .. ..	37 Santa Luzia, Rio de Janeiro. [Wells.
1892 Dec. 6.	*OSWELL, FRANK .. ..	Hillside, Groombridge, Tunbridge
1887 Dec. 6.	OTAGAWA, MASAYUKI, M.E. ..	Ashio Mine, Shimotsuke, Japan.
1885 Apr. 14.	OUGH, HENRY .. ..	79 St. Paul's Churchyard, E.C.
1890 Dec. 2.	*OUGHTERSON, ARTHUR .. ..	Bridgewater St. Works, Salford.
1885 Dec. 1.	*OVERTON, FRANK .. ..	99 Upper Addiscombe Rd., Croydon.
1875 Apr. 6.	*OWEN, JOHN ARTHUR .. ..	Engineer's Off., Trinity House, E.C.
1868 Jan. 14.	OWEN, THOMAS ELLIS .. ..	104 Midland Road, Bedford.
1887 Dec. 6.	OWEN, WILLIAM LAMBDEN ..	Pinjarrah, Western Australia.
1874 May 12.	OWER, CHARLES .. ..	104 Commercial Street, Dundee.
1887 Apr. 5.	*OXTOBY, WILLIAM .. ..	Boro' Surveyor, Beverley.
1889 Dec. 3.	PACHECO, ALFREDO HENRIQUE	Rua Ouvidor 102, Rio de Janeiro.
1891 Dec. 1.	*PADDON, ARTHUR MATTHEWS	Gas Light & Coke Co., Beckton.
1888 Apr. 10.	*PADDON, JOHN FALKNER .. ..	Gas Co., Hove, Brighton.
1887 Apr. 5.	*PAGE, EDWARD HENRY .. ..	8 Queen Street, Cardiff.

Date of  
Election.

## ASSOCIATE MEMBERS.

1877 May 29.	PAGE, WILLIAM .. .. ..	Osborne House, Newcastle-on-Tyne.
1886 Dec. 7.	PALLANT, THOMAS .. .. ..	Pacasmayo Ry., Trujillo, Peru.
1884 Dec. 2.	*PALMER, CHAS. STUART RUSSELL .. .. ..	P.W.D., Nagpur, C.P., India.
1890 Apr. 1.	PALMER, FREDERICK .. .. ..	E.I. Ry., Calcutta.
1884 May 6.	PALMER, PHILIP HENRY .. .. ..	Boro' Engineer, Town Hall, Hastings.
1886 Jan. 12.	*PALMER, THOMAS CASSINET .. .. ..	121 Adelaide Road, N.W.
1881 Feb. 5.	*PARDO, CAMILO GUILLERMO .. .. ..	Torromé, Son & Co., Jeffrey's Sq., E.C.
1887 May 24.	PARK, CHARLES ARCHIBALD .. .. ..	Wolverton, Bucks.
1891 Mar. 3.	PARKER, CHARLES .. .. ..	St. George's Club, Hanover Sq., W.
1884 Feb. 5.	PARKER, CHAS. DONALD NAPIER .. .. ..	32 Broadwater, Tunbridge Wells.
1889 Dec. 3.	PARKER, EDWARD LEONARD .. .. ..	99 Queen St., Melbourne, Victoria.
1883 May 29.	PARKER, HENRY .. .. ..	P. W. D., Vilanhulam, Ceylon.
1890 Dec. 2.	*PARKER, JAS. ALEXANDER, B.Sc. .. .. ..	9 Gt. George St., Hillhead, Glasgow.
1887 Mar. 1.	PARKER, JOHN .. .. ..	City Surveyor, Hereford.
1887 May 24.	PARKER, JOHN .. .. ..	42 Dryden St., Nottingham.
1886 Dec. 7.	PARKER, JOHN EDWARD .. .. ..	Lanchester, Durham.
1889 Jan. 8.	PARKER, WILLIAM .. .. ..	{ Prell's Bldgs., Collins St., Melbourne, Victoria.
1892 Mar. 1.	PARKER, WILLIAM .. .. ..	P.W.D., May Pen, Jamaica.
1884 Feb. 5.	*PARKES, HENRY .. .. ..	8 Grove Road, Surbiton.
1873 Apr. 1.	*PARKES, THOMAS FARMER .. .. ..	Lambeth Waterworks, Brixton, S.W.
1888 Feb. 7.	*PARKHOUSE, ALFRED W.M. LONG .. .. ..	33 Pepys Road, New Cross, S.E.
1891 Mar. 3.	PARKIN, FREDERIC WILLIAM .. .. ..	5 St. Jude's Avenue, Belfast.
m † 1889 May 7.	*PARKIN, JOHN HENRY .. .. ..	132 Alderney Street, Pimlico, S.W.
1892 Apr. 5.	PARKIN, JOHN ROBERT .. .. ..	Iddridgehay, near Derby.
m 1886 Apr. 6.	*PARKINSON, HY. HOLLINWORTH .. .. ..	13 Victoria Street, S.W.
1881 Apr. 1.	PARKINSON, HY. WATERWORTH .. .. ..	Ry. Dept., Sydney, N.S.W.
1889 Feb. 5.	PARKINSON, JAMES .. .. ..	50 Station Rd., Turton, Bolton.
m † 1882 May 2.	*PARKINSON, RICHARD MARION .. .. ..	29 Lincoln Rd. East, Peterborough.
1892 Dec. 6.	PARLETT, GODFREY BERNARD .. .. ..	{ Electric Construcn. Corp., Wolverhampton.
1873 Apr. 1.	PARRY, ALBERT WOODWARD .. .. ..	17 Market Place, Reading.
1886 Apr. 6.	PARRY, HENRY ERNEST .. .. ..	P.W.D., Albany, Western Australia.
1879 Dec. 2.	*PARRY, JOSEPH WILLIAM .. .. ..	Grindlay, Groom & Co., Bombay.
1892 Apr. 5.	*PARRY, RICHARD .. .. ..	21 Parliament Street, S.W.
1887 Dec. 6.	PARRY, WALTER .. .. ..	Waterworks, Allahabad, India.
1879 May 27.	PARSICK, EDMUND ALBERT, B.E. .. .. ..	Calcutta.
1888 Jan. 10.	PARSONS, HERBERT JOSIAH .. .. ..	Assam-Bengal Ry., Habigunj, Assam.
1885 Dec. 1.	PARTINGTON, THOMAS .. .. ..	West Highland Ry., Helensburgh,
1886 Apr. 6.	*PARTRIDGE, GODFREY BOWEN .. .. ..	40 Thicket Rd., Anerley, S.E. [N.B.
1883 Dec. 4.	{ PARTRIDGE, WILLIAM ANTHONY .. .. ..	New Oriental Bk., Colombo, Ceylon.
	{ MORGAN .. .. ..	M. F. Gonsalvez, Bahia, Brazil.
1892 Feb. 2.	PASSOS, ALEXANDRE PORTELLA .. .. ..	12 Maiden Lane, Covent Garden, W.C.
1889 Mar. 5.	PATCHELL, WILLIAM HENRY .. .. ..	L. C. & D. Ry., Steam Packet Yard,
1890 Dec. 2.	PATERSON, JAMES DONALD .. .. ..	Fort William, N.B. [Dover.
1879 Dec. 2.	PATERSON, JOHN .. .. ..	10 Gregory St., Loughborough.
1893 Jan. 10.	PATERSON, MATTHEW .. .. ..	{ 7 Holly Bank Road, Birkenhead. (Paterson, Birkenhead.) 4062.)
1881 Dec. 6.	PATERSON, THOMAS ORMISTON .. .. ..	Trading Corp., Rangoon, Burma.
1892 Jan. 12.	PATERSON, WALTER SAUNDERS .. .. ..	134 St. Vincent St., Glasgow.
1887 Mar. 1.	*PATON, JOHN .. .. ..	103 Church Rd., Upper Norwood, S.E.
1867 Dec. 3.	PATTERSON, EDWARD CHARLES .. .. ..	136 Fellows Rd., Hampstead, N.W.
1885 Dec. 1.	PATTINSON, JOHN SHIELD .. .. ..	8 Gray's Inn Square, W.C. [vaal.
1875 Feb. 2.	PATTISON, FREDERICK .. .. ..	P.O. Box 763, Johannesburg, Trans-
1885 May 5.	PATRICK, CHARLES BEAUFORT .. .. ..	7 Council House St., Calcutta.
1887 Dec. 6.	PAUL, ANDREW LOUIS .. .. ..	Govt. Rys., Cape Town, C.C.
1890 Mar. 4.	*PAULING, HAROLD WILLIAM .. .. ..	28 Victoria Street, S.W.
1884 May 6.	PAULING, HENRY RICH'D. CLARKE .. .. ..	Madras Ry., Madras.
1889 Dec. 3.	*PAWLEY, FRANCIS ADOLPHUS .. .. ..	Colchester. (Paxman, Colchester.)
† 1875 May 4.	PAXMAN, JAMES NOAH .. .. ..	Kwala Lumpor, Selangore, S.S.
1892 Dec. 6.	*PAXON, HAROLD CHAS. .. .. ..	Thorne, Doncaster.
1886 Feb. 2.	PEACE, ALFRED LINDLEY .. .. ..	Ferry Works, Thames Ditton.
1880 May 4.	PEACHE, JAMES COURTHOPE .. .. ..	

Date of Election.	ASSOCIATE MEMBERS.
1883 Dec. 4.	PEAKE, CHARLES EDWARD .. ..
1891 Jan. 13.	*PEAKE, ROBERT EDWARD ..
1890 Dec. 2.	*PEARCE, ALFRED .. ..
† 1871 Apr. 4.	*PEARSALL, HOWARD DEVENISH ..
1884 Feb. 5.	PEARSE, WILLIAM MONRO .. ..
1885 Feb. 3.	PEARSON, ALFRED .. ..
1893 Feb. 7.	PEARSON, JAMES MONTGOMERIE ..
1884 Jan. 8.	*PEDLEY, WILLIAM EVERARD ..
1876 Mar. 7.	PEEL, WILLIAM .. ..
1890 Dec. 2.	*PEGG, HENRY VILLIERS .. ..
1873 Feb. 4.	PEGGS, JAMES WALLACE .. ..
1889 Feb. 5.	*PEIRCE, ROBERT .. ..
1887 Apr. 5.	*PELLEREAU, HENRY ÉTIENNE ..
1873 Dec. 2.	PEÑA, MANUEL HIPOLITO ..
1878 Mar. 5.	*PEÑA, URBANO JOSÉ DE LA ..
1884 Feb. 5.	*PENLINGTON, CHAS. BERKELEY ..
1886 Jan. 12.	PENMAN, WILLIAM .. ..
1890 Jan. 14.	*PENN, HARRY .. ..
1887 Jan. 11.	*PENNY, AETHUR ROBERT ..
1880 Dec. 7.	*PENNY, SEPTIMUS .. ..
1888 Dec. 4.	PENTLAND, AUGUSTUS TICHBORNE ..
1888 Dec. 4.	*PERCEVAL, RICHARD DOUGLAS ..
1890 Mar. 4.	*PEREIRA, ALFRED CECIL ..
1892 Dec. 6.	PERHAM, THOMAS .. ..
1885 Jan. 13.	*PERKINS, HUGH FREDERICK ..
1892 Dec. 6.	{ PERKINS, JOHN EDWD. SHAR- MAN .. .. .. ..
1874 May 5.	PERRETT, EDWARD .. ..
1889 Feb. 5.	*PERROT, SAMUEL DE .. ..
1889 Dec. 3.	PERRY, ARNOLD HENRY ..
1881 Feb. 1.	{ PERRY, Prof. JOHN, M.E., D.Sc., F.R.S. .. .. .. ..
† 1886 Dec. 7.	PERRY, THOMAS HOLMES ..
1884 Feb. 5.	*PETTIGREW, WILLIAM FRANK ..
1886 Apr. 6.	*PHELIPS, HY. VIVIAN MAJENDIE ..
1888 Dec. 4.	PHILIP, WILLIAM MARSHALL ..
1885 Dec. 1.	PHILLIMORE, JOSEPH ..
1888 Feb. 7.	PHILLIPS, ARTHUR GAVED ..
1891 Feb. 3.	PHILLIPS, ERNEST ALFRED WM.
1886 April 4.	PHILLIPS, HENRY PARNHAM ..
1891 Dec. 1.	*PHILLIPS, HERBERT ..
1887 Jan. 11.	PHILLIPS, HERBERT ARTHUR ..
1872 Feb. 6.	PHILLIPS, JOHN .. ..
1891 Jan. 13.	PICKARD, ALFRED BARNES ..
1891 Dec. 1.	*PICKERING, JOSEPH SPIERS ..
† 1876 Feb. 1.	*PICKWELL, ROBERT .. ..
1891 Feb. 3.	PIDGEON, JOHN .. ..
T t † 1886 Mar. 2.	*PIERCE, JOSIAH, Jun., M.A. ..
1891 Feb. 3.	*PIGOUT, FRANCIS JOSEPH ..
1883 Feb. 6.	*PILKINGTON, OLIVER STAINTON ..
1881 Mar. 1.	PILLOW, EDWARD .. ..
1880 Mar. 2.	*PINE, ARTHUR CHILLEY ..
1879 Feb. 4.	PIRE, SAMUEL MATTHEW ..
1884 Dec. 2.	PIRRIE, JOHN SINCLAIR ..
m † 1889 Dec. 3.	*PLATT, JOHN .. ..
1882 Mar. 7.	*PLATT, SAMUEL SYDNEY ..
1892 Jan. 12.	PLATTS, HENRY CHARLES ..
1891 Dec. 1.	POGSON, ALFRED LEE ..
1879 May 6.	*POLLARD, JOHN .. ..
1885 Feb. 3.	{ *POLLARD-URQUHART, MONTAGU, ALEXIS .. .. .. ..
	Sleaford, Lincolnshire. Snaresbrook, Essex. 36 London Rd., Grays, Essex. 16 Willow Road, Hampstead, N.W. Commercial Gasworks, Stepney, E. Dukinfield. 5 John Dickie St., Kilmarnock, N.B. Prescott, Arizona, U.S. Knowlmere Manor, Clitheroe. Broom House, Ipswich. 21 Queen Anne's Gate, S.W. [S.S. Town Hall, George Town, Penang, Madhopur, Gurdaspur, Punjab. Girardot Ry., 354 Calle 11, Bogota, 3 Recoletos, Madrid. [U.S. Colombia. Apartado 82, Bilbao, Spain. 5 St. Andrew Sq., Edinburgh. Harold Road, Upper Norwood, S.E. 31 Maury Rd., Stoke Newington. { Grosvenor Ho., Uxbridge. (Penny, Uxbridge.) [Dublin. University Club, Stephen's Green, Crinken House, Shankill, co. Dublin. P.W.D., Bezwada, Kistna, Madras. Marine Dept., Wellington, N.Z. 2 Alma St., Dukinfield. Park Road, Peterborough. 22 Great George Street, S.W. Neuchatel, Switzerland. P.W.D., Alexandria, Egypt. 31 Brunswick Square, W.C. Fair Oak Ho., Soho Hill, Handsworth. 44 Guildford Rd., Clapham, S.W. H. S. King & Co., 45 Pall Mall, S.W. P.O. Box 431, Johannesburg, Trans- 1 Claremont Ter., Manor Pk., E.[vaal. 18 Fopstone Rd., Earl's Court, S.W. P.W.D., Akyali, Burma. 71 Grosvenor Street, W. P.W.D., Indaw, Katha, Burma. 5 Stanley Cres., Kensington Pk., W. 4 Corona Rd., Burnt Ash Hill, Lee, S.E. 5 Madeira Rd., Streatham, S.W. Town Hall, Nuneaton. 65 St. Mary Street, Cardiff. Ry. Dept., Perth, Western Australia. 11 South Street, Baltimore, U.S. P.W.D., Batticaloa, Ceylon. Church Walks, Llandudno. Shirehall, Norwich. 2 St. James's Park, Bath. 13 No. West Pier, London Docks, E. Austral Otis Elevator Co., S. Mel- bourne, Victoria. Riverton, New Jersey, U.S. Town Hall, Rochdale. (81.) Hughesofka, South Russia. Harbour Works, Madras. 7 Great Queen St., Westr., S.W. 21 York Place, Edinburgh.

Date of  
Election.

## ASSOCIATE MEMBERS.

1891 Dec. 1.	POLLITT, ROBERT BARNABAS ..	{ O. Guttmann, Dunster House, Mark Lane, E.C.
1890 Apr. 1.	*POLLOCK, WILLIAM .. ..	So. Landridge, Holytown, N.B.
1879 Dec. 2.	PONSFORD, JAMES .. ..	Kadi Keui, Constantinople.
1882 Dec. 5.	PONT, GEORGE VICTOR ..	E.I. Ity., Khagole, Patna, India.
1892 May 3.	POOLE, EDWARD COOPER ..	2 Portland Street, Southampton.
1887 May 3.	POOLE, GEORGE THOMAS ..	P.W.D., Perth, Western Australia.
1881 May 31.	*POPE, FRANCIS JOHN ..	H. S. King & Co., 45 Pall Mall, S.W.
1889 Feb. 5.	POPE, JOSEPH GORDON ..	Inglewood, Fallowfield, Manchester.
1892 Dec. 6.	*POPE, THOMAS, JUN. ..	Baston Ho., Netherhall Gardens, N.W.
1889 Dec. 3.	PORKISS, EDWARD PETER ..	Post Office, Cape Town, C.C.
1882 Dec. 5.	PORKISS, RICHARD .. ..	Aguilas, Murcia, Spain.
1889 Feb. 5.	*PORTEOUS, GEORGE WILLIAM ..	{ San Cebrán, Salinas de Pisuerga, Palencia, Spain.
1875 Apr. 6.	PORTER, EDMUND VERNON ..	44 Manor Road, Beckenham.
1890 Dec. 2.	*PORTER, JAMES ROBERTSON ..	{ C. & J. Ham, Swanston St., Mel bourne, Victoria.
1887 May 24.	PORTER, JOHN .. ..	22 Waldegrave Road, Norwood, S.E.
1888 Feb. 7.	PORTUS, ALEXANDER BROWN ..	Harbour Office, Sydney, N.S.W.
1889 Dec. 3.	POSTLE, JOHN DAVY ..	Roads Dept., Bega, N.S.W.
1891 May 5.	POTT, ARTHUR HENRY ..	Are Works, Chelmsford. [St., E.C.
1891 May 12.	POTTER, CHARLES WILLIAM ..	Worthington Co., 153 Queen Victoria
1887 Feb. 1.	*POTTER, THOMAS WILLIAM ..	Friern Lane, New Southgate, N.
1878 May 28.	POTTINGER, JOHN CURWEN ..	Satara, Bombay.
1876 Apr. 4.	POTTS, BEN, LANGFORD FORSTER	117 Camberwell Grove, S.E. [pool.
T t ♫ 1879 May 27.	POTTS, JOHN JAMES .. ..	Hydraulic Power Co., Athol St., Liver-
1867 May 21.	POTTS, JOSEPH .. ..	1A Hamilton Ter. W., Partick, Glas-
1888 Dec. 4.	POWELL, ARTHUR .. ..	3 Unity Street, Bristol. [gow.
1881 May 3.	POWELL, EDWARD .. ..	Millfield, Pontypridd.
1882 Feb. 7.	POWELL, FRANK CHARLES ..	50 Newcomen Ter., Coatham, Redcar.
1885 Dec. 1.	POWELL, HENRY BOLLAND ..	19 Victoria Street, S.W.
1887 Mar. 1.	POWER, JOHN MOORHEAD, B.A.	British Consulate, Linares, Spain.
♫ 1880 Dec. 7.	POWLES, HY. HANDLEY PRIDHAM	14 Margaret St., Cavendish Sq., W.
1885 May 19.	PRADO, MANOEL EUGENIO DO ..	Rue d'Italie 26, Vevey, Switzerland.
1864 Mar. 1.	PREEBLE, CHARLES TREW ..	Temperley, Hucclecote, Gloucester.
t ♫ 1876 Dec. 5.	{ PEELE, CHARLES SHEIBNER } DU RICHE, M.A., Ph.D. ..	18 Margaret St., Cavendish Sq., W.
1885 Apr. 11.	*PRENTICE, ERNEST SAMUEL ..	Greystoke, Christchurch Road, Sur-
1887 Dec. 6.	*PRENTICE, THOMAS THEOPHILUS	Waterworks, Lima, Peru. [biton.
1888 Dec. 4.	PREScott, HARRY ERNEST, M.A.	The Abbey, Carlisle.
1882 Feb. 7.	*PRESTIGE SYDNEY .. ..	Sunderland Rd., Forest Hill, S.E.
1882 May 2.	PRESTON, EDWD. STUART, M.A.	10 Holyrood Ter., Hoe, Plymouth.
1869 Feb. 2.	PRESTON, EYRE WILLIAM ..	Laxton, Bray, co. Wicklow.
1891 Mar. 3.	PRESTON, FRANCIS JOHN ..	G. I. P. Ry., Bhusatwal, Bombay.
m 1876 May 30.	*PRESTON, SIDNEY .. ..	Carson Ho., Church End, Finchley, N.
1885 Feb. 3.	PRICE, ALFD. DICKINSON, B.A.I.	Gt So. & Wn. Ry., Glenbeigh, co. Kerry.
1893 Feb. 7.	*PRICE, ARTHUR BOYD ..	The Retreat, Rawal Pindi, India.
1885 Dec. 1.	PRICE, EDWD. BELLINGHAM, B.A.	
1886 Apr. 6.	PRICE, JOHN .. ..	Bureau des Services Sanitaires, Cairo.
1879 Dec. 2.	*PRICE, JOHN .. ..	Local Bd., Toxteth Park, Liverpool.
1889 Jan. 8.	*PRICE, PETLEY LLOYD AUGUSTUS	Kentville, Nova Scotia.
1887 Jan 11.	PRICE, WILLIAM ARTHUR, M.A.	Telegraph Works, Silvertown, E.
1891 Feb. 3.	PRICE, WILLIAM EDWARD ..	Gas Works, Hampton Wick.
1891 Apr. 7.	*PRICE-WILLIAMS, JOHN MORGAN	32 Victoria Street, S.W.
1889 Dec. 3.	*PRICE-WILLIAMS, SEYMOUR WM.	J. Mansergh, 5 Victoria St., S.W.
1891 Jan. 13.	PRICHARD, DAVID .. ..	{ Brithwernydd, Penrhynedraeth,
1883 Feb. 6.	*PRICKETT, LANCELOT GEO., F.C.H.	N. Wales.
1889 Dec. 3.	PRIDHAM, THEODORE .. ..	Grindlays, Bombay. [N.S.W.
1886 Feb. 2.	*PRIEST, FRANK EDWARD ..	Harbours & Rivers Dept., Sydney.
1874 Dec. 1.	PRIESTLEY, ALFRED COVENEY	13 Prince's Ter., Balls Rd., Birkenh'd.
1886 Mar. 2.	PRIESTLEY, CHARLES HENRY ..	7 Mayow Road, Forest Hill, S.E.
1891 Mar. 3.	*PRIGG, HENRY VICTOR .. ..	9 Plas-Turton Gardens, Cardiff.
		Boro' Engineer's Office, Plymouth.

Date of  
Election.

## ASSOCIATE MEMBERS.

1880 Jan. 13.	PRIMROSE, ADAM .. ..	{ Duvivier & Co., rua do Gen. Camara, 64, Rio de Janeiro.
1890 May 20.	*PRINCE, HERBERT WALTER ..	La Guaira Harbour, Venezuela.
1888 Dec. 4.	*PRINSEP, REGINALD SEYMOUR ..	Capt. Prinsep, 45 Glasshouse St., W.
1890 May 6.	*PITCHARD, THOMAS .. ..	6 Sidney Rd., Richmond, S.W.
† 1889 Dec. 3.	*PROCTER, HERBERT TATHAM ..	2 Old Palace Yard, S.W.
1892 Jan. 12.	PROTHEROE, DAVID THOS. RHYNS ..	Fleur-de-Lis, near Cardiff.
1892 Mar. 1.	*PROUDFOOT, JAMES LENNOX ..	Lanemark, New Cumnock, N.B.
1889 Dec. 3.	*PROUTE, ARTHUR DUNCAN ..	S. Pearson & Co., Derby Rd., Chester.
1873 May 6.	PROUTE, CHARLES .. ..	12 Park Av., Wood Green, N. [field].
1879 Feb. 4.	*PROUTE, OSWALD MILTON ..	Alvington, Slade Rd., Ilfracombe.
1887 Dec. 6.	*PROVIS, RICHARD .. ..	West Coast Silver Fields, Comstock, Tasmania.
1878 Jan. 15.	PROVIS, THOMAS BAWDEN ..	76 Finsbury Pavement, E.C.
1886 Jan. 12.	PRYCE, HENRY JAMES .. ..	18 Ickburgh Rd., Upper Clapton, E.
1886 May 18.	PUCKERING, ROBERT COMINS ..	Britannia Ironworks, Gainsborough.
m † 1892 Jan. 12.	{ *PULLEN, WM. WADE FITZ- HERBERT, Wh.Sc. .. ..	100 Llandaff Rd., Cardiff. { La Cta. Tuñel Murdoch de Hidalgo, Pachuca, Hidalgo, Mexico.
1884 Dec. 2.	PULLON, JOSEPH THOMAS ..	Bourton Hall, Totnes.
1884 Dec. 2.	*PUNCHARD, JOHN HENRY ..	151 Cannon Street, E.C.
1883 May 29.	*PUNCHARD, WILLIAM CHARLES ..	San Gabriel, Los Angeles, Cal., U.S.
† 1880 May 4.	PURCELL, GERVAISE, B.A. ..	2 Great George Street, S.W.
1886 Mar. 2.	PURDON, FREDERICK .. ..	Coventry.
1885 Mar. 3.	PURNELL, EDWARD JAMES, Jun. ..	City Engineer's Office, Leeds.
1893 May 2.	*PUTMAN, WM. ERNEST YOUNG ..	Sion House, Lewisham, S.E. [S.W.]
1885 Apr. 14.	*PUTTEN, ERNEST VAN .. ..	34 New Tothill St., Westminster,
1893 Mar. 7.	*PYKE, LAZARUS .. ..	{ Fisherton, Rosario de Santa Fé, Argentina.
1885 Dec. 1.	*PYNE, HERBERT BARRINGTON ..	
1882 Dec. 5.	*QUICK, EDWARD .. ..	{ 36 Great George St., S.W. (Avidity, London.)
1891 Apr. 7.	*QUICK, FREDERIC WILLIAM ..	13 Culmore Road, Peckham, S.E.
1887 Dec. 6.	QUIRK, THOMAS EDWARD ..	Payton & Co., Moreno 765, Buenos
		[Ayres.]

1891 Dec. 1.	{ RABADINA, DORABJEE BHIK- HAJEE .. ..	} B. B. & C. I. Ry., Bombay.
1887 Dec. 6.	RADCLIFF, EDWARD .. ..	Light Ry., Coxtown, Donegal.
1889 Jan. 8.	RADFORD, JOHN CHARLES ..	153 High St., Putney, S.W.
1884 Feb. 5.	RADFORD, WILLIAM HENRY ..	Angel Row, Nottingham.
1879 Mar. 4.	RADLEY, JOHN ALFRED ..	G. E. Ry., Thorpe, Norwich.
1891 Mar. 3.	*RAILTON, ALAN .. ..	Harewood Lodge, Whalley Range, Manchester.
1889 Dec. 3.	*RAILTON, FRANK .. ..	Gt. Southern Ry., Buenos Ayres.
1892 Dec. 6.	{ *RAMUS, BERTRAM EDWARD DE NOUAL, B.A. .. ..	Playden Rectory, Rye, Sussex.
1891 Dec. 1.	RANDALL, WILLIAM SANCROFT ..	Gas Light & Coke Co., Horseferry Rd,
1876 May 30.	*RANDELL, JOHN WILLIAM ..	15 Albion Square, Dalston, E. [S.W.]
1877 Feb. 6.	*RANDOLPH, GRANVILLE WALT.	Fir Cottage, Mirfield, Yorks.
1884 Apr. 1.	*RANKIN, GEORGE .. ..	Harbour Works, Buenos Ayres.
1874 Apr. 14.	RANKINE, DAVID .. ..	5 West Regent Street, Glasgow.
WtMm † 1892 Dec. 6.	*RANSOM, HERBERT BYROM ..	Manlove, Alliott & Co., 57 Grace- church St., E.C. [Manchester.]
1890 Feb. 4.	*RANSOM, PETER AUGUSTUS, B.A.	Hyde Rd. Eng. Works, West Gorton,
1886 Jan. 12.	RANSOME, ALFRED .. ..	P.O., Latrobe, Tasmania.
1886 Jan. 12.	*RANSOME, JAMES STAFFORD ..	1 York Crescent, West Norwood, S.E.
m † 1888 May 15.	*RANSOME, LEWIS HENRY ..	{ 44 Kensington Mansions, Earl's Court, S.W. [Bombay.]
1892 Dec. 6.	RAO, KEROBAD HORMASJEE ..	3rd Marine Lane, Dhobi Talao,

Date of Election.	ASSOCIATE MEMBERS.	
1892 Dec. 6.	*RAPER, JOHN CHAS. DODGSON	G.I.P. Ry., Badnera, India. [St., E.C.
1888 Mar. 6	*RAPLEY, FREDERICK HARVEY	Taite & Carlton, 63 Queen Victoria
1892 Dec. 6.	RATANJI, MANACKJI, L.C.E. ..	Port Trust, Bombay.
1882 Feb. 7.	*RATHBONE, EDGAR PHILIP ..	{ Standard Bank Buildings, Johannesburg, Transvaal.
1877 Dec. 4.	RATLIFF, CLEOPHAS WILLIAM	16 Victoria Street, S.W.
1886 Jan. 12.	*RATTRAY, DAVID CAMPBELL ..	Eng.'s Off., M.S.&L.Ry., Manchester.
1885 Dec. 1.	*RAVENHILL, THOMAS .. ..	Clapham Com., S.W. [row Rd., W.
1890 May 20.	RAVENSHAW, HENRY WILLOCK	Golden & Co., Woodfield Rd., Har-
1886 Dec. 7.	*RAVES, BERTRAM ADAMS ..	Welwyn, Herts.
1885 Dec. 1.	*RAWSON, FREDERICK LAWRENCE	{ 88 Queen Victoria Street, E.C. (Woodhouse, London.)
1884 Apr. 1.	RAWSON, THOMAS HAROLD ..	P.W.D., Greymouth, N.Z.
1891 Dec. 1.	*RAYMOND, SYDNEY .. ..	{ E.P. Seaton, Abbey Bldgs., Princes St., Westminster, S.W.
1891 Dec. 1.	*RAYNER, FRANK .. ..	Cavendish Hill, Sherwood, Nottingham.
1869 May 6.	RAYNER, THOMAS CHEVELEY ..	Eng.'s Office, Co. Down Ry., Belfast.
1890 May 4.	*RAYNES, THOMAS .. ..	Water Dept., Broad St., Birmingham.
1884 Dec. 2.	*READ, HARRY VAUGHAN RUDSTON	(Broad St. Avenue, Blomfield St., E.C. (Valorem, London, 562.)
1881 Feb. 1.	READ, RICHARD .. ..	City Surveyor, Gloucester.
m 1878 May 7.	*READ, RICHARD JOHN GIFFORD	Cadbyrie Ho., Castlebar, Ealing, W.
m 1882 Feb. 7.	*READ, ROBERT HENRY .. ..	2 Queen Square Place, S.W. (3033.)
1879 Feb. 4.	READE, FREDERICK THOMAS ..	26 Bedford Row, W.C.
1891 Feb. 3.	READE, JAMES FRANCIS ..	55 Claremont Rd., Forest Gate, E.
1871 Apr. 4.	READE, THOMAS MELLARD ..	Park Corner, Blundellsands, L'pool.
1886 Jan. 12.	READ, HUDSON .. ..	16 Church St., Preston.
1887 Feb. 1.	REBSCH, SAMUEL .. ..	Byeulla Club, Bombay.
1891 Dec. 1.	*REED, HENRY ASHMAN ..	Ship Canal, Cudishead, Manchester.
1887 Dec. 6.	REES, FREDERICK HOWELL ..	{ Moodie's Gold Mining Co., Barber- ton, Transvaal.
1887 Dec. 6.	REEVE, HENRY .. ..	St. Lucia, West Indies.
1892 Dec. 6.	REID, ANDREW .. ..	194 St. Vincent Street, Glasgow.
1886 Mar. 2.	*REID, KENNETH .. ..	Ferro Carril, San José, Costa Rica.
1892 Dec. 6.	REID, SAMUEL .. ..	Woodbury Villas, Swansea.
1884 Feb. 5.	*REID, WILLIAM .. ..	Kilbirnie, N.B.
1881 May 3.	*REILLY, FREDERICK, F.C.H. ..	King, King & Co., Bombay
1883 May 29.	REILLY, HENRY .. ..	26 Bedford Row, W.C.
1878 May 28.	{ REINCKE, HANS RODERICH LEO- FOLD .. ..	{ (1530.) 2 Laurence Pountney Hill, E.C.
1893 May 16.	*REINHOLD, GUSTAVE CHARLES	Greymouth, New Zealand.
1886 Apr. 6.	*RENTON, ALEX. CRAIG, B.Sc.	Central Ry., Rosario, Argentina.
1882 Mar. 7.	RENWICK, CHARLES .. ..	Eng.'s Off., Montego Bay, Jamaica.
1887 Dec. 6.	REUNERT, THEODORE .. ..	Johannesburg, Transvaal.
1893 May 2.	REVILL, WILLIAM HENRY ..	Williams Terrace, Chiswick, W.
1890 Jan. 14.	*REYNOLDS, LESLIE HUNTER ..	Montecillo, Dunedin, N.Z.
1886 Jan. 12.	*REYNOLDS, THOMAS BLAIR ..	28 Victoria Street, S.W.
1887 Dec. 6.	{ RHODES, JOHN HENRY HORACE WENTWORTH .. ..	92 Albion Street, Leeds.
1889 Dec. 3.	RHODES, THOMAS .. ..	Railway Dept., Sydney, N.S.W.
1882 Dec. 5.	RICH, HOWARD .. ..	Belmont, Castle Crescent, Reading.
1878 Apr. 2.	RICHARDS, EDWIN MELVILLE ..	Boro' Engineer, Warwick.
1893 May 16.	*RICHARDS, HENRY FINES ..	Samper de Calanda, Baso Aragon,
1892 Dec. 6.	RICHARDS, PETER FELIX ..	21 Great George St., S.W. [Spain.
1888 Dec. 4.	RICHARDS, RICHARD WATKINS	City Surveyor, Sydney, N.S.W.
1893 Apr. 11.	RICHARDSON, CECIL .. ..	B. B. & C. I. Ry., Rewari, India.
1887 Jan. 11.	*RICHARDSON, GEORGE RICHARD	The Avenue, Surbiton Hill.
1890 Feb. 4.	*RICHARDSON, HARRY .. ..	Oldbury, Worcestershire. [ney, S.W.
1893 May 16.	RICHARDSON, WILLIAM ARTHUR	Glen Heather, Dryburgh Rd., Put- e.co. H.B.M. Consul, Tientsin, China.
1885 May 5.	*RICKETTS, DASHWOOD POYNTZ	28 Victoria Street, S.W.
1886 Mar. 2.	*RIDLEY, MARTYN NOEL ..	Ocean Beach, Manly, Sydney, N.S.W.
1886 Dec. 7.	RIGBY, ARTHUR .. ..	75 Grove Rd., Rock Ferry, Birkenhead.
1892 Mar. 1.	*RIGBY, ARTHUR BANKS ..	

Date of Election.	ASSOCIATE MEMBERS.	
1891 Dec. 1.	*RIGBY, HERBERT PETER BARROW	City Eng.'s Office, Cape Town, C.C.
1888 Jan. 10.	RISTORI, EMANUEL JOSEPH ..	32 Victoria Street, S.W.
† 1882 May 23.	RITSO, GEORGE FREDERICK ..	G.P.O., Sydney, N.S.W.
1885 Apr. 14.	RITSON, THOMAS NOBLE ..	Gasworks, Kendal.
1892 Dec. 6.	*RIVERS, CHARLES HAY ..	Crystal Palace Electric Supply Co.,
1875 May 4.	RIVERS, EDWARD GEORGE ..	12 Whitehall Place, S.W. [S.E. Co. Surv. Off., Bridgend, Glamorgan.
1890 Feb. 4.	*ROACH, WILLIAM LLOYD ..	Gayton, Blisworth, R.S.O.
1890 Mar. 4.	*ROBERTS, CHARLES, F.C.II. ..	Plas Wenynyd, Blaenau-Festiniog.
1881 May 31.	ROBERTS, CHARLES WARREN ..	Post Office, Kimberley, C.C. [Bray.
1892 Dec. 6.	ROBERTS, JOHN BROAD ..	Dublin, Wicklow and Wexford Ry.,
1892 Dec. 6.	*ROBERTS, JOHN MARRIS, B.E. ..	2Ash Grove, VictoriaPk., Manchester.
1891 Jan. 13.	ROBERTS, LOUIS EDGAR ..	Madgehill, Hanwell, W.
1884 Apr. 1.	ROBERTS, MARTIN FENN ..	Pegu Club, Rangoon, Burma.
1890 Dec. 2.	*ROBERTS, REUBEN WILLIAM ..	Dist. Eng., Purneah, Bengal.
1886 Dec. 7.	ROBERTS, RD. GABBETT SPIERS ..	Civil Engineer, Portmadoc.
1881 May 31.	ROBERTS, THOMAS .. ..	Govt. Rys., Adelaide, So. Australia.
1887 Mar. 1.	ROBERTS, THOMAS .. ..	Southside Road, Inverness, N.B.
1893 Feb. 7.	ROBERTS, WILLIAM .. ..	Salinas de Pisnerga, Palencia, Spain.
1892 May 3.	ROBERTSON, FULTON, B.Sc. ..	Forfar & Brechin Ry., Brechin, N.B.
1891 May 12.	*ROBERTSON, G. THOMPSON, B.Sc. ..	154 West George St., Glasgow.
1886 May 4.	*ROBERTSON, ROBERT, B.Sc. ..	205 Wardour Street, W.
1889 Dec. 7.	*ROBINS, EDWARD .. ..	19 Portland St., Southampton.
1890 Feb. 4.	ROBINS, JOHN .. ..	82A New St., Birmingham.
1888 Dec. 4.	ROBINS, WILLIAM HENRY ..	Hildon House, Wantage, Berks.
1890 Mar. 4.	ROBINSON, ARTHUR SAML. FRAS. ..	Easby Abbey, Richmond, Yorks.
1877 Dec. 4.	{ *ROBINSON, CHARLES LAWRENCE ..	F. C. Ensenada, Estacion Central,
	PEMBERTON, B.A. .. ..	13 Victoria St., S.W. [Buenos Ayres.
1892 Dec. 6.	ROBINSON, ERNEST GEORGE ..	43 Dover Street, W.
1875 Apr. 6.	ROBINSON, FRANK EDWARD ..	P.W.D., Bhagulpore, Bengal.
1880 Dec. 7.	ROBINSON, HUGH CECIL ..	13 Southgate St., Winchester.
1887 Feb. 1.	ROBINSON, JAMES .. ..	B. & N.W. Ry., Naipara, India.
1892 Jan. 12.	ROBINSON, JAMES .. ..	28 Victoria Street, S.W.
1882 Dec. 5.	*ROBINSON, JOHN NEWMAN ..	Barry Docks, Cardiff. [Nottingham.
m † 1889 Dec. 3.	*ROBINSON, LESLIE STEPHEN ..	Mapperley View, Woodborough Rd.,
1883 Dec. 4.	*ROBINSON, RICHARD SYER ..	City Surveyor, Londonderry. [N.W. Hampton Ho., High Rd., Kilburn,
1884 May 27.	ROBINSON, Professor WM., M.E. ..	Napier, N.Z.
1885 Dec. 1.	ROBINSON, WILLIAM JAMES ..	P.W.D., Kamptee, C.P., India.
1885 May 19.	*ROBSON, OLIVER CLAUDE ..	Bury St. Edmunds.
1888 Dec. 4.	ROCHFORT, JAMES .. ..	23 Highfield St., Leicester.
1885 May 19.	*RODEN, HORACE HASSALL ..	P. W. D., Trinidad.
1873 Dec. 2.	*RODWELL, JOHN KIRBY ..	P.W.D., Millicent, So. Australia.
t † 1886 Feb. 2.	ROECLING, HERMAN ALFRED ..	Penalverne, Falmouth.
1889 Apr. 2.	ROGERS, CHARLES HENRY ..	Croxdale Hall, Durham.
1891 Dec. 1.	ROGERS, OLIVER HERBERT ..	{ MM. Arens, Irmãos, Rua João
1888 Dec. 4.	ROGERS, RALPH BARON, M.A. ..	Alfredo 147, Rio de Janeiro.
1891 Feb. 3.	*ROGERSON, JOHN EDWIN, B.A. ..	Australian Club, Sydney, N.S.W.
1890 Apr. 1.	RÖHE, CHRISTIAN HEINRICH ..	G. Stafford & Co., Arequipa, Peru.
1887 Dec. 6.	*ROLLESTON, JOHN CHRISTOPHER ..	P. W. D., Colombo, Ceylon.
1872 May 14.	ROMAÑA, EDWARD JL. DE ..	Craigknowe, Slateford, N.B.
1890 Feb. 4.	*ROMANES, CHARLES HUGH ..	Local Board, Abercarne, Mon.
1878 Mar. 5.	ROMANES, GEORGE .. ..	Emery Works, Stafford.
1892 Dec. 6.	ROOKE, JOHN WILLIAM BROWN ..	32 Market Square, Lancaster.
m † 1885 Feb. 3.	*ROOPER, WALTER OSMOND ..	Araraquara, São Paulo, Brazil.
1886 Apr. 6.	*ROPER, JOHN SIMPSON .. ..	H. S. King & Co., 45 Pall Mall, S.W.
1888 Dec. 4.	*ROSE, FREDERICK, Jun. ..	Eng.'s Off., Naauwpoort, Cape Colony.
1888 Jan. 10.	*ROSE, GEORGE PRINGLE, C.I.E. ..	105 Pitt St., Sydney, N.S.W.
1886 Apr. 6.	ROSE, JAMES WILMOT ANDREAS ..	Engineer's Office, Guildhall, E.C.
1891 Mar. 3.	*ROSS, COLIN JOHN, B.E., B.Sc. ..	10 Whitehorse Rd., Croydon.
1882 Dec. 5.	ROSS, DAVID JAMES .. ..	15 Relf Rd., Peckham, S.E.
1889 Dec. 3.	*ROSS, FRANCIS EDWARD .. ..	Guildhall Chambers, Manchester.
1872 Feb. 6.	ROSS, HENRY FRANCIS .. ..	
1893 May 16.	*ROSS, JOHN .. ..	

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## ASSOCIATE MEMBERS.

1889 Jan. 8.	ROSS, JOHN CLARK .. ..	Bloomfield Bros., Warrnambool, Vict.
1891 May 12.	*ROSS, PATRICK JOHNSTON .. ..	G.P.O., Melbourne, Victoria.
1890 Feb. 4.	*ROSS, PERCIVAL .. ..	North Bierley, Bradford. [N.S.W.]
1890 Dec. 2.	ROSSBACH, WILLIAM .. ..	Harbours & Rivers Dept., Sydney,
1893 Mar. 7.	ROTHWELL, EDMUND .. ..	Sandy Hill, Rochdale, Lancs.
1877 Mar. 6.	ROTHWELL, RICHID. MARSHALL .. ..	Ellerslie, Summertown, Oxford.
1884 Feb. 5.	ROUSE, HENRY GEO. ARCHIBALD .. ..	2 Coolhurst Road, Crouch End, N.
1890 Apr. 1.	ROUTH, WILLIAM POLE .. ..	Sutton Court, Sutton, Surrey.
1878 May 7.	ROWAN, ARTHUR HILL .. ..	Whitehall Club, Parliament St., S.W.
† 1886 Apr. 6.	ROWAN, FREDERICK JOHN .. ..	{ 121 West Regent Street, Glasgow. (Barnacles, Glasgow.)
1886 Apr. 6.	*ROWLING, FREDERICK HENRY .. ..	Cintra, Ipswich, Queensland.
1893 Feb. 7.	ROWNEY, GEO. ANSELM HY., B.E. .. ..	Sewerage Dept., Sydney, N.S.W.
1888 Dec. 4.	*ROY, NORMAN WILLIAM .. ..	Govt. Rlys., Selangor, S.S.
1893 Mar. 7.	*ROYAL-DAWSON, FREDK. GEO. .. ..	Mu Valley Ry., Sagaing, Burma.
1884 Feb. 5.	ROYLE, HENRY .. ..	Longford Bridge, Stretford, Mchtr.
1893 Jan. 10.	*ROYLE, STANLEY ARTHUR .. ..	City Surveyor's Office, Manchester.
1889 Apr. 2.	*ROZARIO, LOUIS CHARLES DO .. ..	Rozario & Co., Hong Kong.
1889 Mar. 5.	*RUMBALL, ARTHUR BRUNEL .. ..	8 Union Ct. Chams., Old Broad St.,
1881 Dec. 6.	RUMSBY, ERNEST JAMES .. ..	P.W.D., Kamptee, C.P., India. [E.C.
1887 Dec. 6.	RUMSEY, HERBERT .. ..	4 Amyand Park Gds., Twickenham.
W t † 1879 Feb. 4.	RUNEBERG, ROBERT .. ..	Liteiniij prosp. 57, St. Petersburg.
1887 Apr. 5.	*RUSSELL, ARTHUR JAMES .. ..	J. Restrepo, Honda, U.S. Colombia.
1892 Feb. 2.	RUSSELL, CHARLES NEWTON .. ..	7 Heathfield Rd., Mill Hill Park, W.
1885 Jan. 13.	*RUSSELL, STUART ARTHUR .. ..	Rue de Vienne 36, Brussels.
1876 Feb. 1.	*RUSSELL, WILLIAM .. ..	9 Victoria Street, S.W.
1886 Apr. 6.	*RUTTER, HENRY FILLMER .. ..	W. Middlesex W'wks., Hammers'th.
1893 May 2.	*RUTTER, HENRY THORNTON .. ..	4 Warrington Crescent, W.
1889 Mar. 5.	{ *RYGATE, PHILIP WM., M.A., B.E. .. ..	Conservation of Water, Mines Dept., Sydney, N.S.W.

1869 Feb. 2.	SACRÉ, ALFRED LOUIS .. ..	60 Queen Victoria Street, E.C. (1668.)
1861 Apr. 9.	SADASEWJEE, HURRYCHUND .. ..	G. I. P. Ry., Bombay.
1868 Jan. 14.	SADASEWJEE, JAGANNATH .. ..	Waterworks, Baroda, India.
1889 Feb. 5.	SADLER, HENRY .. ..	95 Greenway Rd., Runcorn, Cheshire.
1892 Dec. 6.	SADLER, WILLIAM WINDHAM .. ..	Municipal Offs., George Town, Penang,
1881 May 31.	*ST. CLAIR, Hon. LOCKHART MAT.	43 Upper Addison Gardens, W. [S.S.]
1893 Apr. 11.	SALIS, HENRY RODOLPH DE .. ..	Glenwood, Hampton Wick.
1889 Apr. 2.	SALMON, ARTHUR .. ..	Wallasey Local Board, Egremont.
1889 Dec. 3.	SALMOND, DAVID CUNNINGHAM .. ..	7 Windsor Place, Cardiff.
† 1891 May 5.	*SALTER, ARTHUR JOSEPH .. ..	Tuam Ry., Claremorris, co. Mayo.
1890 Jan. 14.	*SALTMARSH, LIONEL .. ..	Box 855, Johannesburg, Transvaal.
1890 May 6.	SALWEY, EDWARD RICHARD .. ..	Waterloo Lodge, Clifton, Bristol.
1891 Feb. 3.	*SAMPLE, JOHN THOS. HORNSBY .. ..	Moseley Dene, Woodside Park, N.
T t † 1866 Dec. 4.	SANDBERG, CHRISTER PETER .. ..	19 Great George Street, S.W.
1888 Feb. 7.	*SANDEMAN, EDWARD .. ..	Water Engineer, Plymouth.
1891 Feb. 3.	*SANDERS, EVELYN FRANCIS, B.E.	Sanders Park, Charleville, co. Cork.
1892 Dec. 6.	*SANDERSON, CHAS. STEUART BELL .. ..	12 Roland Gardens, S.W.
1890 Dec. 2.	*SANER, JOHN ARTHUR .. ..	Weaver Navigation, Northwich.
1887 May 3.	*SANFORD, HENRY WILLIAM .. ..	13 Dents Rd., Wandsworth Com., S.W.
1889 Feb. 5.	*SANT, WILLIAM ELOIN .. ..	Wortley, Mais & Sant, Kingston,
1885 May 19.	SANTORIS, LEONARD .. ..	6 Ovington Gdns., S.W. [Jamaica.]
1881 Jan. 11.	*SAUBERGUE, ARTHUR DE .. ..	Water Co., Bridgetown, Barbados.
1892 Mar. 1.	*SAUNDERS, ERNEST EDWARD .. ..	Improvements Co., Rio de Janeiro.
1890 Dec. 2.	*SAUNDERS, F.K. WALTER THEODORE .. ..	Temora Ry., Cootamundra, N.S.W.
1880 May 25.	*SAUNDERS, HENRY JOHN .. ..	Shenton & Co., Perth, W. Australia.
1892 Feb. 2.	SAVAGE, EDWARD BALLARD .. ..	Tarbock Lodge, Huyton, Liverpool.
† 1886 Jan. 12.	SAVAGE, HUGH .. ..	84 Rue Cockerill, Seraing, Belgium.
1882 Feb. 7.	SAVICH, DR. ESTEVAO .. ..	
1889 Dec. 3.	*SAVOURS, WILLIAM MATHEW .. ..	21 Edward Terrace, Cardiff.
1887 Mar. 1.	*SAXBY, JAMES .. ..	Creil, Oise, France.

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## ASSOCIATE MEMBERS.

1876 Feb. 1.	SAXTON, HENRY WARING ..	New Plymouth, New Zealand. [N.
1892 Jan. 12.	SAXTON, THOMAS RICHARD ..	Lyndhurst, Townsend Rd., Tottenh'm,
1875 May 4.	SAYER, SAMUEL .. ..	Miss Formby, Frindsbury, Rochester
1884 Apr. 1.	SCHEID, HENRIQUE .. ..	F. C. Central, Cascadura, Brazil.
1892 Mar. 1.	SCIÉLE, ERNST GEO. ANGANTYR ..	Jönköping, Sweden.
1887 Apr. 5.	{ SCIUNAS, GIORGIO CONSTANTINO, D.Sc. .. .. .. ..	Waterworks, Malta.
1893 Apr. 11.	SCHLOESSER, ROBERT .. ..	185 Sutherland Avenue, W.
1866 Jan. 9.	SCHNEIDER, HENRI .. ..	Le Creusot, France.
1890 May 6.	{ SCHNEIDER, WM. MARSLAND, FRANCIS, M.A. .. .. ..	38 Stanhope Gardens, S.W.
1891 Mar. 3.	SCHOFIELD, GEORGE ANDREW ..	Oakfield, Alderley Edge, Cheshire.
1889 Feb. 5.	*SCHOLEFIELD, ERNEST EDWARD ..	53 Eardley Cres., Earl's Court, S.W.
1887 May 3.	SCHOLES, EDWARD HORATIO ..	19 Belle Vue Ter., Bury, Lancs.
1886 May 4.	*SCHÖNEBERG, ALEXANDER CHAS. ..	{ 35 Parliament Street, S.W. (Quay- age, London.)
1888 May 1.	SCHIUR, ALBERT EBENEZER ..	Harold Hill House, near Romford.
1889 Feb. 5.	SCHIUSTERSCHITZ, FRANCISCO ..	Belem, Para, Brazil.
1891 Apr. 7.	SCLATER, ARTHUR WILLIAM ..	182 Oxford Street, W.
1878 May 28.	SCLAVERANI, MICHELANGELO ..	{ Società Nazionale delle Officine, Savigliano, Italy.
1880 Dec. 7.	*SCOBIE, MACKAY JOHN .. ..	Sir C. Forbes & Co., Bombay.
1889 May 21.	*SCORGIE, NORMAN .. ..	Boro' Surveyor's Office, Leicester
1883 Mar. 6.	SCOTLAND, JOHN PARRY ..	Grindlay & Co., Calcutta. [Tyne.
1890 Apr. 1.	SCOTT, ADAM .. .. ..	City Eng.'s Office, Newcastle-on-
1877 Dec. 4.	*SCOTT, CECIL .. .. ..	Local Fund Engineer, Masulipatam,
1892 Dec. 6.	*SCOTT, CECIL GRAHAM ..	86 Cornwall Gardens, S.W. [India.
1882 Mar. 7.	SCOTT, DONALD ALBERT ..	Beaconsfield Ho., Hingham, Norfolk.
1883 Dec. 4.	SCOTT, FRANK WALTER ..	Woodcliffe Ho., Burgess Hill, N.W.
1890 Jan. 14.	*SCOTT, F. WALTER, Jun. ..	{ 44 Christian Street, E. (Thirty- four, London. 4390.)
1892 Feb. 2.	SCOTT, GEORGE HALL .. ..	Ship Canal, Wilderspool, Warrington.
1880 May 25.	*SCOTT, HUGH HAMILTON ..	Town Hall, Hove, Brighton. [ton.
1886 Dec. 7.	SCOTT, JESSE FRENCH ..	206 Stanstead Rd., Forest Hill, S.E.
1888 Jan. 10.	*SCOTT, ROBERT JULIAN ..	Canterbury Coll., Christchurch, N.Z.
1892 Mar. 1.	SCOTT, ROBERT SMITH ..	Town Surveyor, Bishop's Stortford.
1887 Apr. 5.	SCOTT, WILLIAM ARCHIBALD ..	11 Alexandra Rd., Southport.
1891 Dec. 1.	*SCOVELL, C. THORNTON RENNIE ..	W. Watson & Co., Bombay. [Algeria.
1884 Dec. 2.	SCRATCHLEY, HERBERT ARTHUR ..	British Vice-Consul, Philippeville,
1878 Apr. 2.	*SCRIVEN, CHARLES WALTER ..	125 Queen's Park Rd., Brighton.
1876 Feb. 1.	*SCRIVEN, WILLIAM HENRY ..	East Indian Ry., Calcutta.
1888 Feb. 7.	SEARIGHT, GEO. SAMUEL, B.E. ..	Shankill, co. Dublin.
1874 Mar. 3.	*SEARLE, JOHN COOMBE ..	87 Devonport Rd., Shepherd's Bush.
1882 Feb. 7.	*SEATON, WALTER DOUGLAS ..	{ East London Water Co., 15a St. Helen's Place, E.C.
1887 Dec. 6.	SEATON, WILLIAM SHARPEY ..	57½ Old Broad Street, E.C. [don.]
M in ♫ 1889 Dec. 3.	*SEGUNDO, EDWD. CARSTENSEN DE	28 Victoria St., S.W. (Awesome, Lon-
1886 Mar. 2.	{ SELLON, STEPHEN PRESCOTT, WHITE D'ALTE .. .. ..	Whitehall Club, Parliament St., S.W.
1882 Feb. 7.	*SELLS, CHARLES DE GRAVE ..	Ansaldi & Co., Sanpierdarena, Italy.
1887 May 24.	{ SELMAN, DAVID CODRINGTON, Wh.Sc. .. .. .. ..	Dept. Public Instruction, Sydney, N.S.W.
1889 Feb. 5.	SENGOKU, MITSUGU, B. Sc. ..	Railway Dept., Tokio, Japan.
M ♫ 1884 May 27.	*SENNETT, ALFRED RICHARD ..	Brentford, Middlesex.
1875 May 4.	SERRA, JOÃO DUARTE LISBOA ..	P. Villaamil, Banco Español, Buenos
1880 Jan. 13.	*SEWELL, HENRY DE QUINCY ..	Port Arthur, Ont., Canada. [Ayres.
1880 Dec. 7.	*SGOUTA, LUKE GEORGE ..	Athens.
1886 Apr. 6.	SHACKLEFORD, ARTHUR LEWIS ..	223 Bristol Rd., Birmingham.
1882 Apr. 4.	*SHAND, JAMES TILLEY .. ..	75 Upper Ground St., S.E.
1893 Jan. 10.	*SHARMAN, JOHN ROXBURGH ..	Eng.'s Office, Midland Ry., Derby.
1887 Dec. 6.	*SHARP, ARCH., Wh. Sc., B.Sc. ..	2 Ravenscroft Rd., Acton Green, W.
1880 May 4.	*SHARP, FREDERICK .. .. ..	Minbu, Upper Burma.
1893 Feb. 7.	*SHARP, FREDERIC DAVID ..	Midland Ry., Chapel-en-le-Frieth.

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## ASSOCIATE MEMBERS.

1879 Feb. 4.	SHARP, WILLIAM .. .	Invercargill, New Zealand.
1887 Apr. 5.	SHARPE, ROBERT .. .	100 Fitzroy Avenue, Belfast.
1885 May 19.	*SHAW, EDWARD, Wh. Sc. ..	6 Cornwallis Cres., Clifton, Bristol.
1890 Dec. 2.	SHAW, FREDERICK GEORGE ..	30 Broadhurst Gardens, N.W.
1886 Jan. 12.	*SHAW, GEO. HERBERT, Wh. Sc.	Trinity House, Tower Hill, E.C.
1890 Apr. 1.	*SHAW, HERBERT .. .	Town Hall, Todmorden.
1888 Dec. 4.	SHAW, JAMES JOSEPH .. .	Dr. Shaw, Geelong, Victoria.
1886 Feb. 2.	SHAW, JOHN HOWARD .. .	Knockaloe, West Bournemouth.
1879 Feb. 4.	*SHAW, SAM .. .	Dewsbury.
1877 Apr. 10.	*SHAW, WILLIAM EDWARDS ..	Albrighton, near Wolverhampton.
1879 Feb. 4.	*SHAWE, GEO. AUGUSTUS GRANT ..	H.S. King & Co., 45 Pall Mall, S.W.
1882 Dec. 5.	*SHEARS, JAMES CHARLES ..	7 Uxbridge Road, Surbiton.
1881 Apr. 5.	*SHEARS, WILLIAM, Jun. ..	G.P.O., Sydney, N.S.W. [Burma.
1885 Dec. 1.	SHEDLOCK, OCTAVIUS JAMES ..	Mu Valley Ry., Sagaing, Upper
1889 Dec. 3.	*SHEFFIELD, ROBERT STONEY ..	Stanhope House, Woolwich.
1888 Feb. 7.	SHELDON, FRANK .. .	Wells, Somerset.
1887 Dec. 6.	SHELDON, PERCY JOHN .. .	Boreham Lodge, Chelmsford.
1892 Jan. 12.	SHELDON, WILLIAM JOHN, Jun.	Railway, São Paulo, Brazil.
1879 Feb. 4.	SHEDLOCK, JAMES THOMAS ..	Corona Rd., Burnt Ash Hill, S.E.
1883 Jan. 9.	SHEPPARD, FREDERICK CHARLES ..	5 Alfred Street, Plymouth.
t 1883 Feb. 6.	SHEPPARD, HERBERT GURNEY ..	Girgeh Ry., Assioot, Upper Egypt.
1892 Dec. 6.	SHEPPARD, THOMAS CLIVE ..	{ Hyland, Huggins & Co., Caixa 291,
1883 Jan. 9.	SHERMAN, CHAS. BELLI BIVAR ..	São Paulo, Brazil.
1885 Dec. 1.	*SHIELD, ARTHUR HINDHAUGH ..	P.W.D., Quilon, Travancore.
1892 May 3.	SHIRLAW, ANDREW .. .	35A Great George Street, S.W.
1877 Apr. 10.	SHONE, ISAAC .. .	Suffolk Wks., Oozells St., Birming'm.
1891 Dec. 1.	*SHOOSMITH, HARRY, Wh. Sc. ..	Great George St. Chambers, S.W.
1883 May 1.	SHORT, FRANCIS JOB .. .	Priestman Bros., Hull.
1884 Dec. 2.	SHUTTLEWORTH, FRANK HENRY ..	Wollaston, Stourbridge.
1887 Dec. 6.	*SIBBERING, GEORGE THOMAS ..	Local Bd., Littleboro', nr. Mechr.
1889 Dec. 3.	*SIDEBOOTHAM, JAMES NASMYTH ..	I Claude Rd., Roath, Cardiff.
1887 Feb. 1.	*SILCOCK, EDWARD JOHN ..	Parkfield, Altringham, Cheshire.
1888 Apr. 10.	*SILK, ALBERT EDWARD ..	Boro' Surveyor, King's Lynn.
1891 Dec. 1.	*SILLEM, CHAS. FREDERICK, B.A. ..	Valetta, Sydenham, S.E.
1891 Apr. 7.	*SILLEM, WILLIAM .. .	Lawrie Pk. Avenue, Sydenham, S.E.
1884 Jan. 8.	SILVERTHORNE, ARTHUR .. .	194 Cromwell Road, S.W.
1892 Mar. 1.	SIMMANCE, JOHN FREDERICK ..	5 Victoria Street, S.W.
1891 May 5.	SIMPINKS, WILLIAM, B.Sc. ..	5 Fairlawn Av., Chiswick Park, W.
1889 Jan. 8.	SIMPSON, ARTHUR JOHN ..	14 Livingstone Place, Edinburgh.
1889 Dec. 3.	*SIMPSON, AUGUSTUS JOHN ..	1 Hargwyne St., Brixton, S.W.
1888 Feb. 7.	*SIMPSON, CHARLES LIDDELL ..	Vale Place, Haverhill, Suffolk.
1890 Dec. 2.	SIMPSON, EDWARD MARSH ..	{ 101 Grosvenor Road, S.W. (Aquosity, London.)
1879 Dec. 2.	*SIMPSON, FRED .. .	Correo Casilla 796, Buenos Ayres.
1889 Jan. 8.	SIMPSON, HENRY EDWIN ..	Casilla 144, G.P.O., Buenos Ayres.
1891 Apr. 7.	SIMPSON, WILLIAM HENRY ..	172 High St., Lewisham, S.E.
1887 Mar. 1.	*SIMSON, DAVID .. .	26 Friar Lane, Leicester.
1891 Dec. 1.	SINCLAIR, ALEXANDER .. .	Apartado 566, Havana, Cuba.
1892 Dec. 6.	SINCLAIR, JOHN SMART ..	Hafod Works, Swansea.
1892 May 24.	SINGH, BAKISHI RAM .. .	Town Hall, Widnes.
1888 Dec. 4.	*SKELTON, ROBERT, .. .	P.W.D., Rawal Pindi, India.
1879 May 27.	SKILLITER, THOMAS ANTON ..	Municipality, Colombo, Ceylon.
1892 Dec. 6.	*SKINNER, HARRY ROSS ..	{ Hathershaw Farm, Grenfell, Assiniboina, N.W.T., Canada.
1891 Dec. 1.	SKIPTON, JOHN GERVAIS ..	{ Durban-Roodepoort Mining Co., Johannesburg, Transvaal.
1876 Dec. 5.	SLADE, FREDERICK .. .	Athlone, Ireland.
1883 Dec. 4.	*SLADE, WALTER EDWARD ..	Beckford, Tewkesbury. [Australia.
1892 Dec. 6.	SLAUGHTER, FREDERICK WM. ..	Eng.-in-Chief's Office, Adelaide, S.O.
1877 Mar. 6.	*SMALL, JAMES MILN .. .	84 Tressillian Rd., Brockley, S.E.
1885 May 5.	SMALLMAN, HENRY FRANCIS ..	Urquhart & Co., 17 Victoria St., S.W.
1884 Dec. 2.	*SMART, EDGAR .. .	P.W.D., Mozaffargarh, Punjab.
		Box S30, Johannesburg, Transvaal.

Date of Election.	ASSOCIATE MEMBERS.
1886 Feb. 2.	*SMELT, JOHN DANN .. ..
1886 Dec. 7.	*SMILES, FREDERICK HENRY ..
1889 Dec. 3.	*SMITH, ALBERT CASSON ..
1882 Mar. 7.	SMITH, ARTHUR KEEN ..
1876 May 30.	*SMITH, ARTHUR TOULMIN ..
1888 Feb. 7.	SMITH, BASIL EUSTACE ..
1891 May 5.	*SMITH, BERTRAM ROBT.
1885 Feb. 3.	*SMITH, CECIL ARCHIBALD ..
1890 May 6.	SMITH, CHARLES MITFORD ..
1885 Jan. 13.	SMITH, CHARLES WALTER ..
1887 Feb. 1.	SMITH, CYRIL .. ..
1889 May 7.	*SMITH, EDWARD MARTIN ..
1886 Dec. 7.	*SMITH, FRANK MARTIN ..
1877 Dec. 4	SMITH, GUY .. .. ..
1884 Dec. 2.	SMITH, HENRY .. ..
1879 May 27.	SMITH, HENRY ROBERT ..
1881 Dec. 6.	*SMITH, HERBERT BLOMFIELD ..
1885 Dec. 1.	*SMITH, JAMES CAMPBELL ..
1891 May 5.	*SMITH, JOHN, Wh.Sc. ..
1876 Jan. 11.	SMITH, JOHN HUME ..
1891 Feb. 3.	SMITH, RICHARD WILLIAM ..
1883 May 29.	SMITH, ROBERT .. ..
t † 1881 May 3.	SMITH, Prof. ROPT. HY., Wh.Sc.
1889 Apr. 2.	*SMITH, ROGER THOMAS, B.Sc.
1879 Dec. 2.	SMITH, THOMAS .. ..
1888 Feb. 7.	SMITH, THOMAS READER ..
1891 Apr. 7.	SMITH, THOMAS RIHS ..
1892 May 24.	SMITH, TOM GRAVES ..
1874 Apr. 14.	SMITH, URBAN ARMSTRONG ..
† 1881 May 31.	*SMITH, WALTER .. ..
1891 Feb. 3.	SMITH, WILLIAM .. ..
1891 Jan. 13.	SMITH, WM. CHAS. CLIFFORD ..
1886 May 4.	*SMITH, WM. CHARLES ERNEST ..
1883 Dec. 4.	SMITH, WM. HOWARD ..
1890 Dec. 2.	*SMITH-SAVILLE, ROBERT WM.
1892 Apr. 5.	SMYTH, JAMES STEVENSON ..
1868 May 19.	SMYTHIES, JOHN PALMER ..
1890 Jan. 14.	SNELL, ALBION THOMAS ..
1887 Apr. 5.	SNELL, HARRY .. ..
1884 May 27.	*SNELL, HENRY DE MORGAN ..
1881 Dec. 6.	*SOLLY, HUBERT LE GAY ..
1883 Feb. 6.	SOLOMON, MAURICE ..
1887 May 24.	SORABJEE, SHAPURJEE ..
1882 Feb. 7.	{ SORAJI, Khan Bahadur Dr. } BOMANJI .. .. ..
1881 May 31.	SOTO, PEDRO NOLASCO DE ..
1872 Dec. 3.	SOUTHAM, ARTHUR .. ..
1883 Apr. 3.	SOUTTER, PETER WILLIAM ..
1885 May 19.	{ SOUZA, AYRES POMPÉO CAR- } VALHO DE .. .. ..
† 1849 May 1.	SOWERBY, WILLIAM .. ..
1876 Dec. 5.	SPARKES, CHARLES HENRY ..
1893 Feb. 7.	*SPARKS, IVON ALGERNON ..
1890 Mar. 4.	*SPENCER, CHARLES TALLENT ..
1890 Dec. 2.	*SPENCER, HENRY BATH ..
1875 Feb. 2.	SPENCER, HERBT. GEO. HAMMOND ..
1876 May 30.	SPENCER, JOHN PHILIP ..
1880 Apr. 6.	*SPIELMAN, ISIDORE ..
1861 Mar. 5.	SPIERS, JOSEPH .. ..
1877 Dec. 4.	SPINDLER, HENRY LEWIS ..
1883 Jan. 9.	*SPINKS, WILLIAM .. ..
	{ Argentine Gt. Western Ry. Co., 4 Finsbury Circus, E.C.
	Royal Survey Dept., Bangkok, Siam.
	Town Hall, So. Melbourne, Victoria.
	Camden Ho., Merton Pk., Winbledon
	{ Ludwig & Smith, Miasnitzka St., Moscow.
	Central Uruguay Ry., Monte Video.
	45 Princes Gardens, S.W.
	Binney & Co., Madras.
	P.W.D., Dowleshwaram, Madras.
	WaterSupply, Pitt St., Sydney, N.S.W.
	Mt. Erica, Sylvan Rd., Norwood, S.E.
	L.&N.W.Ry., Vauxhall, Birmingham. Rds. & Bridges Dept., Sylney, N.S.W.
	19 Walbrook, E.C. (Spoke, London.)
	101 Grosvenor Rd., S.W.
	Portsmouth W.-Works Co., Southsea.
	W.Highland Ry., Helensburgh, N.B.
	Boro. Surveyor, Bury St. Edmunds.
	Co. Surveyor's Office, Ballinasloe.
	Wardlaw Drive, Rutherglen, Glasg'w.
	Dist. Eng., Kurunegala, Ceylon.
	New Wortley Gasworks, Leeds.
	124 Hagley Road, Birmingham.
	P.W.D., Batticaloa, Ceylon.
	Local Board, Kettering.
	671 Kingsbridge Rd., New York, U.S.
	High Orchard Road, Gloucester.
	28 Victoria Street, S.W. [E.C.]
	W.Watson & Co., 27 Leadenhall St., Sewerage Branch, Sydney, N.S.W.
	15 Vanbrugh Hill, Westcombe Pk., Lombardy Rys., Lodi, Italy. [S.E.]
	City Surveyor, Carlisle.
	Municipal Offices, Burton-on-Trent.
	St. Michael's, Blackrock, co. Cork.
	Las Turbias, S. Genaro, Argentina.
	Salisbury Rd., Brondesbury Pk., Stanwell Rd., Penarth, Cardiff. [N.W.]
	53 New Broad St., E.C.
	Bells, Wimborne.
	75 Holland Road, W. [E.C.]
	Ransome & Co., 49 Leadenhall St., 8 Grant Rd., Bombay.
	Ferro Carril de Zafra, Huelva, Spain.
	60 Old Town, Clapham, S.W.
	Port Commr.'s Office, Calcutta.
	144 Rua Rezende, Rio de Janeiro.
	29 Hereford Rd., Acton.
	143 High St., Guildford. [S.W.]
	R.E. Middleton, 17 Victoria St., Medellin, Antioquia, U.S. Colombia.
	25 Brundrett's Rd., Chorlton, M'ch't'r. Elm Bank, St. Saviour's, Jersey.
	Tynemouth.
	3 Westbourne Crescent, Hyde Pk., W.
	17 Victoria Street, S.W.
	Port Elizabeth, C. C. [Leeds.]
	The Chesnuts, Far Headingley,

Date of  
Election.

## ASSOCIATE MEMBERS.

1882 May 23.	SPOONER, CHAS. EDWIN, B.E.	Kwala Lumpor, Selangore, S.S.
1885 Jan 13.	SPOONER, HENRY JOHN .. ..	309 Regent Street, W.
1886 Jan. 12.	*STABLES, EDWARD .. ..	Perth, Western Australia.
1883 Dec. 4.	STAFFORD, JOHN EDWARD ..	Briercliffe Rd., Burnley.
1891 Dec. 1.	*STAINFORTH, GEO. MAYNARD ..	Martinholme, Redhill, Surrey.
1888 Feb. 7.	*STALLIBRASS, EDWARD .. ..	W. S. Seaton, 57½ Old Broad St., E.C.
1891 Dec. 1.	{ *STANFIELD, Prof. RICHARD, Wh. Sc., F.R.S.E. .. ..	Heriot-Watt College, Edinburgh.
1890 Jan. 14.	STANFORD, WALTER JOHN, B.E.	Tipperary Gold Co., Macetown, Otago,
1878 Feb. 5.	STANGER, GEORGE HURST ..	North Street, Wolverhampton. [N.Z.]
1879 Feb. 4.	STANLEY, JOSEPH BIRD ..	Harbours & Rivers Dept., Brisbane.
1890 Feb. 4.	STANLEY, WILLIAM HENRY ..	Sunnycroft, Trowbridge, Wilts.
1880 Dec. 7.	STANNARD, ARTHUR ..	Spring House, Merton, S.W.
1885 Dec. 1.	STANNARD, HARRY LAURIE ..	92 Ridgmount Gardens, W.C.
1886 Dec. 7.	*STANSFIELD, ALF WOLRYCHE ..	32 Newmarket St., Skipton-in-Craven.
1892 Feb. 2.	*STAPLES, SYDNEY FRANCIS ..	87 Avenue Road, N.W. [N.S.W.]
1868 Dec. 1.	STATHAM, EDWYN JOSEPH ..	Brown Street, Newtown, Sydney,
1888 May 1.	*STATTER, JOHN GRICE .. ..	68 Victoria Street, S.W. [N.S.W.]
1893 Feb. 7.	STAWEll, JONAS MOLESWORTH ..	Ry. Construction Dept., Sydney,
1892 Feb. 2.	STEANE, WILLIAM PERCY ..	Learmouth, Victoria.
1893 Mar. 7.	STEPHEN, FREDERIC WILBER ..	Ry. Dept., Petersburg, So. Australia.
1883 May 29.	*STEPHEN, JAMES BROWN ..	Lancing, Sussex.
1882 Mar. 7.	*STEPHEN, KENT HUME .. ..	P.W. Secretariat, Calcutta.
1882 Dec. 5.	STEPHENS, EDWARD FELIX ..	Dept. Public Works, New York, U.S.
1886 Dec. 7.	STEPHENS, FREDK. ORLANDO ..	H. S. King & Co., 45 Pall Mall, S.W.
1881 Jan. 11.	*STEPHENS, GEORGE HENRY ..	Exeter Lodge, Clifton, Bristol.
1888 Dec. 4.	*STEPHENSON, EDMUND PALEY ..	Commissioners' Office, Llandudno.
1887 May 3.	{ STEPHENSON, JOSEPH GURDON, LEYCESTER .. .. ..	6 Drapers Gds., E. C., (Fluvius, London.)
1886 Feb. 2.	*STERLING, WILLIAM .. ..	61 Lord Street, Liverpool.
1871 Dec. 5.	STEVENS, FREDK. WM., C.I.E.	J. Griffiths, School of Art, Bombay.
1885 May 5.	STEVENS, PERCIVAL .. ..	P.W.D., Port of Spain, Trinidad.
1869 Jan. 12.	STEVENS, WARWICK ALAN ..	237 Southwark Bridge Rd., S.E.
1874 Apr. 14.	STEVENSON, JOHN .. ..	Barrow-in-Furness.
1881 Mar. 1.	STEVENSON, SIDNEY EVANCE ..	61 Mackay St., Montreal, Canada.
1890 May 20.	STEWART, ALEXANDER .. ..	Agencia de Tharsis, Huelva, Spain.
1891 Dec. 1.	*STEWART, ALEXANDER .. ..	Burgh Eng.'s Dept., Edinburgh.
1883 Apr. 3.	STEWART, CHARLES EDWARD ..	Imperial Rys., Tientsin, China.
1891 Apr. 7.	STEWART, CHARLES EDWARD ..	County Council, Spring Gds., S.W.
1892 May 24.	STEWART, JAMES, Jun. .. ..	{ Don José Cortes, Bogota, U.S. Co- lombia. [Queensland.]
1892 Apr. 5.	STEWART, JOHN VAUGHAN ..	Harbours & Rivers Dept., Brisbane,
1891 Dec. 1.	*STEWART, THOMAS .. ..	24 Thorndale Avenue, Belfast.
1889 Jan. 8.	*STICKLAND, ERNEST ALBERT ..	Boro' Surveyor's Office, Newbury.
1892 Dec. 6.	*STILGOE, HENRY EDWARD ..	1 Blythe Hill, Catford, S.E. [S.W.]
1893 May 2.	*STILL, PERCY .. .. ..	Chelsea Electricity Co., Draycott Pl.,
1890 Dec. 2.	STILWELL, ARTHUR WILLIAM ..	Rds. & Bridges Dept., Sydney, N.S.W.
1892 Apr. 5.	*STOCKEN, ALFRED LEONARD ..	{ Lacrois, Fils et Cie., Mazères-sur-le- Salat, France.
1891 May 5.	STOCKMAN, BENJAMIN .. ..	2 Torrington Pk. Vils., No. Finchley.
m 1878 Feb. 5.	*STOESS, CHARLES ANTHONY ..	New Westminster, British Columbia.
1885 Dec. 1.	*STOKES, FREDK. WILFRID SCOTT ..	27 Avonmore Rd., W. Kensington, W.
1859 Dec. 6.	STOKES, JAMES FOLLIOtt ..	3 Prince's St., Westminster, S.W.
1889 Jan. 8.	*STOKOE, EDWARD RICHMOND ..	Kwala Lumpor, Selangore, S.S.
1886 Apr. 6.	*STONE, FRANK HOLMES .. ..	G. P. O., Kingston, Jamaica.
1886 Apr. 6.	STONEY, EDWARD AUGUSTUS ..	Union Bank of Australia, Adelaide.
1873 Mar. 4.	STOOKE, THOMAS SULLOCK ..	31 St. John's Hill, Shrewsbury.
1886 May 18.	*STOREY, WM. JOHN PATRICKSON ..	Darwen Iron Co., Mostyn, Flints.
1888 Dec. 4.	*STOTHERT, PERCY KENDALL ..	Audley, Park Gardens, Bath.
1892 May 3.	*STOWELL, FREDK. CHAS. JOSEPH ..	237 Southwark Bridge Rd., S.E.
1886 Jan. 12.	STRACHAN, GEO. RICHARDSON ..	54 Byrne Rd., Balham, S.W.
1874 Feb. 3.	*STRACHAN, JOHN .. .. ..	29 The Walk, Cardiff.
1892 Dec. 6.	STRACHAN, JOHN HENRY .. ..	Clifden House, Brentford.

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Date of  
Election.

## ASSOCIATE MEMBERS.

1892 Jan. 12.	STRACHEY, RICHARD SHOLTO ..	Assam-Bengal Ry., Shillong, Assam.
1888 May 15.	STRAIN, JOHN LOUDON .. ..	Court House Chambers, Buxton.
1879 Feb. 4.	STRAKER, CHAS. EDMUND, M.A.	High Warden, Hexham.
1889 Dec. 3.	STRANGE, ALEX. BURROUGHS ..	Madras Ry., Podanur, India.
1883 May 29.	*STRANGE, WILLIAM LUMISDEN ..	c.o. King, King & Co., Bombay.
1885 Dec. 1.	STRAPP, WALTER .. .. ..	15 Rue Portalis, Paris.
1890 May 6.	*STRINGFELLOW, WILLIAM ..	Municipal Offices, Cheltenham.
T t ♫ 1885 Dec. 1.	{ STROMEYER, JOHANN PHILIP EDMUND CHARLES .. .. } { Lloyd's Register, 342 Argyle St., Glasgow.	
1883 Feb. 6.	*STRONGE, CHARLES .. .. ..	F. C. Porto Alegre, São Leopoldo.
1869 Feb. 2.	STRONGITHARM, AUGUSTUS HORACE	Barrow-in-Furness. [Brazil.]
1891 Feb. 3.	*STRUETT, CHARLES ARTHUR ..	45 Beulah Rd. E., Thornton Heath.
1882 May 23.	{ STUART, Prof. JAS. M.A., LL.D., M.P. .. .. .. .. } { 24 Grosvenor Road, S.W.	
1886 Dec. 7.	*STUART, JOHN PERCY .. ..	The Bryn, Weston-super-Mare.
1885 Apr. 14.	STUBES, JOHN PEMBERTON ..	43 Wroughton Rd., Balham, S.W.
1883 Dec. 4.	STUBBS, WILLIAM .. .. ..	Boro' Surveyor, Over Darwen.
1890 Dec. 2.	*SUAREZ, PEDRO .. .. ..	Director de Caminos, Santa Cruz, Gasworks, Plymouth. [Bolivia.]
1891 Jan. 13.	SUGGATE, FREDERICK CHENERY ..	King, King & Co., Bombay.
1882 Mar. 7.	*SUMMERS, THOMAS .. .. ..	Piraeus Larissa Ry., Athens. [S.E.]
1883 Jan. 9.	*SUMMERSCALE, ALFRED .. ..	Town Hall, Spa Rd., Bermondsey.
1892 Dec. 6.	SUMNER, FRANK .. .. ..	Haines & Sumner, King St., Gloucester.
1882 Jan. 10.	*SUMNER, HERIBERT GEORGE ..	
1883 May 1.	{ SUTCLIFFE, FREDERIC JOHN RAMSBOTTOM .. .. .. } { Low Moor, Yorks.	
W t ♫ 1877 Dec. 4.	SUTCLIFFE, GEO. WM., Wh. Sc.	5 Norfolk St., Manchester.
1886 Dec. 7.	SUTTON, JOSEPH WALKER ..	36 Bedford St., Strand, W.C.
† 1885 Mar. 3.	*SWAINSON, JOHN HENRY ..	3A High Street, Wrexham.
1885 Apr. 14.	SWAN, ARCHIBALD ALEX., B.Sc.	Singapore, S.S.
1883 Dec. 4.	SWARBRICK, JOSEPH .. ..	44 Brazennose Street, Manchester.
† 1893 Mar. 7.	SWINBURNE, JAMES .. ..	49 Queen's Rd., Wimbledon, S.W. Boro' Engineer, Burton-on-Trent.
1886 Dec. 7.	*SWINDELLIESTON, JOSEPH EAVES ..	
1889 May 21.	{ SWINEY, JOHN HARRIS HAZ- LETT, B.E. .. .. .. .. } { 83 Royal Avenue, Belfast.	
1884 Feb. 5.	SWINNERTON, ROBT. ALLEN WM.	P.W.D., Bolaram, Deccan, India.
1890 Jan. 14.	{ *SWINTON, ALAN ARCHIBALD CAMPBELL .. .. .. .. } { 66 Victoria Street, S.W. (Dunamis, London.)	
1892 Dec. 6.	*SYKES, CHAS. FREDK., F.C.H.	The Nook, Claremont Rd., Highgate,
† 1888 Dec. 4.	SYKES, CLEMENT MORISCRIP ..	Kutch Mandvi, Kutch, India. [N.]
1888 Jan. 10.	SYKES, EDWARD .. .. ..	Local Board, Cheadle, Manchester.
1892 Mar. 1.	*SYMONDS, PERCY WILSON ..	19 Lexden Road, Colchester.
1890 Mar. 4.	*SYNGE, ROBT. ANTHONY, B.A. I.	Casilla 55, Rosario de Santa Fé, Argentina.
1888 Dec. 4.	SYSON, ROBERT COCKBURN ..	Tanjore, India.
1888 Apr. 10.	SZLUMPER, WILLIAM WEEKS ..	10 Victoria Street, S.W.
m ♫ 1891 Dec. 1.	*TAIT, WM. ARCHER PORTER, B.Sc.	Central Ry., Union St., Glasgow.
1887 Dec. 6.	TAITE, JOHN CHARLES .. ..	The Corner House, Shortlands, Kent.
1893 Apr. 11.	TALEBOT, ERNEST .. .. ..	5 Victoria Street, S.W.
1890 Dec. 2.	TANABE, SAKURO, M.E. .. ..	Eng. Coll., University, Tokio, Japan.
1868 Dec. 1.	TANCRED, Sir THOS. SELBY, Bart.	46 Inverness Terrace, W.
1868 Dec. 5.	TANDY, JOHN O'BRIEN .. ..	4 Wellington Vils., Wellington Sq., Gasworks, Stoke-on-Trent. [Crewe.]
1886 Dec. 7.	TAPLAY, HERMAN .. .. ..	62 Croxteth Road, Liverpool.
1886 Apr. 6.	TAPSCOTT, ROBERT LETHBRIDGE ..	79 New Bridge Street, Manchester.
1891 Dec. 1.	TATE, HERBERT WILLIAM ..	Taiping, Perak, S.S.
1887 Jan. 11.	TATE, WALTER HOWARD ..	{ Friars Field Villas, Derby. (Taylor Gas, Derby) [age, London.]
1885 Feb. 3.	TAYLOR, CHARLES .. .. ..	27 Great George Street, S.W. (Water- Nizam's Ry., Secunderabad, India.)
1887 Apr. 5.	*TAYLOR, GOTFRED MIDGLEY ..	Ujain-Bhopal Ry., Sehore, Central Loc. Ed., Clevedon, Somerset. [India.]
1887 May 3.	*TAYLOR, GUY NOBLE .. ..	
1887 Dec. 6.	*TAYLOR, HAROLD BLAKE, F.C.H.	
1885 May 19.	TAYLOR, HENRY .. .. ..	

Date of Election.	ASSOCIATE MEMBERS.	
1880 Mar. 2.	*TAYLOR, JAMES NAAMAN ..	Eng's Off., G. W. Ry., Taunton.
1880 Dec. 7.	TAYLOR, JOHN HENRY ..	Borough Surveyor's Off., Barnsley.
1886 Apr. 6.	*TAYLOR, ROBERT CHARLES ..	St. James's Gate Brewery, Dublin.
1886 Jan. 12.	TAYLOR, ROBERT HENRY ..	{ 2 Collingwood Street, Newcastle-on-Tyne. [ chester.
1886 Apr. 6.	*TAYLOR, WALTER .. ..	G. H. Hill, Albert Chams., Man-
1866 Dec. 4.	TAYLOR, WILLIAM BROUNGER ..	Coonoor, Coombe Pk., Weston, Bath.
1889 May 7.	*TAYLOR, WILLIAM JAMES ..	1 Rose Road, Southampton.
1893 Mar. 7.	*TAYLOR, WILLIAM OSWALD ..	Thames Bank House, Mortlake, S.W.
1879 Apr. 1.	TEASDEI, JAMES EDWIN ..	3 Queen St., Great Yarmouth.
1886 Feb. 2.	*TEMPEST, PERCY CROSLAND ..	S. E. Ry., 9 St. Thomas's St., S.E.
1891 May 5.	TEMPLER, CHARLIE LIONEL ..	Allesley, King Charles Rd., Surbiton.
1886 May 18.	{ *TEMPLETON, EDWIN A. SLADE, M.A. .. .. .. ..	42 Boscombe Rd., Shepherd's Bush.
1879 Mar. 4.	*TERRY, STEPHEN HARDING ..	{ 17 Victoria St., S.W. (Crankpin, London.)
1888 Dec. 4.	*THOMAS, ARTHUR DREW ..	La Dorada Ry., Honda, U.S. Columbia.
1881 Feb. 1.	THOMAS, CHARLES HENRY ..	31 Bridge Street, Newport, Mon.
1881 May 31.	THOMAS, CHARLES NEUMANN ..	Surveyor General's Off., Cape Town.
1891 Apr. 7.	THOMAS, ELIJAH, Ch. Eng. R.N.	217 High Street, Sheerness.
1886 Dec. 7.	*THOMAS, FRANCIS SALES, ..	Belle Grove Park, Welling, Kent.
1877 May 29.	THOMAS, HERBERT OLIVER ..	Town Hall, Woolwich. [London.]
1880 May 4.	THOMAS, JAMES DONNITHORNE ..	25A Old Broad St., E.C. (Kooringa,
1890 Dec. 2.	THOMAS, JOHN .. ..	14 Finsbury Terrace, Swansea.
1860 May 22.	THOMAS, JOSEPH LEE .. ..	2 Hanover Ter., Ladbroke Sq., W.
1883 Dec. 4.	THOMAS, PHILIP ALEXANDER ..	{ 35 Queen Victoria St., E.C. (Argu- ment, London.)
1889 Dec. 3.	THOMAS, ROBERT JOHN .. ..	Co. Surveyor's Office, Aylesbury.
1889 Dec. 3.	THOMAS, THOMAS JAMES ..	Town Surveyor, Ebbw Vale, Mon.
1891 Mar. 3.	THOMAS, TREVOR FALCONER ..	St. Mary's Chambers, Cardiff.
1876 Dec. 5.	*THOMAS, WALTER .. .. ..	Borough Eng., Town Hall, Dover.
1889 May 7.	THOMAS, WILLIAM .. .. ..	Penelvan, Camborne, Cornwall.
1887 Jan. 11.	THOMAS, WM. EDMOND CLASON ..	Cringall, Neath, South Wales.
1893 May 2.	*THOMASSON, LUCAS .. .. ..	11 Lansdowne Pl., Blackheath, S.E.
1887 Dec. 6.	THOMLINSON, JOHN HUTTON ..	Gasworks, Brisbane, Queensland.
1883 May 29.	THOMPSON, ALBERT GEORGE ..	Roden Villa, Bognor.
1886 Feb. 2.	*THOMPSON, GEORGE WILLIAM ..	36 Wood Vale, Forest Hill, S.E.
1880 Dec. 7.	THOMPSON, HENRY GEORGE ..	27 Great George Street, S.W.
1891 Mar. 3.	THOMPSON, JAMES, B.E. .. ..	P.W.D., Perth, Western Australia.
1893 Feb. 7.	THOMPSON, JOHN .. .. ..	The Mount, Orford, Warrington.
m † 1883 Feb. 6.	*THOMPSON, JOHN AUGUSTUS ..	12 London St., Fenchurch St., E.C.
1881 Apr. 5.	THOMPSON, JOHN CAMPBELL ..	Perth Ho., Anlaby Road, Hull. [India.]
1893 Apr. 11.	THOMPSON, ROBERT WILLIAM ..	Madah Church Square, Royapuram,
1888 May 15.	THOMPSON, WILLIAM .. ..	Charters Towers, North Queensland.
t † 1886 Dec. 7.	{ THOMPSON, WILLIAM MANN, M.A., B.E. .. .. .. ..	4 Vickery's Chambers, Pitt Street, Sydney, N.S.W.
1889 Mar. 5.	*THOMPSON, ARTHUR SACKVILLE ..	King, Hamilton & Co., Calcutta.
1884 May 27.	{ THOMPSON, Prof. ARTHUR, WATSON, D.Sc. .. .. ..	College of Science, Poona, Bombay.
1891 May 5.	THOMSON, MICHAEL NICHOLSON ..	Matheson & Co., 3 Lombard St., E.C.
1889 Jan. 8.	THOMSON, JAMES .. .. ..	5 North Charlotte St., Edinburgh.
1871 Apr. 4.	THOMSON, JOHN .. .. ..	Grindall Place, St. Bees, Carnforth.
1893 May 16.	*THOMSON, THOMAS FRAME ..	21 Delahay St., Westminster, S.W.
1876 May 30.	THORNE, ALFRED .. .. ..	47 Victoria Street, S.W.
1879 Dec. 4.	THORNHILL, JOHN .. .. ..	P.W.D., Shahjahanpur, India.
1882 Apr. 1.	THORNTON, HAWTHORN ROBERT ..	L & Y. Ry., Horwich.
1891 Dec. 1.	*THORNTON, JOHN ARTHUR ..	Eng's Office, N.E. Ry., York.
1882 Mar. 7.	THORPE, BENJAMIN KELLY ..	9 Speedwell Rd., Edgbaston, Birhm.
1886 Apr. 6.	*THORPE, ROBERT HENRY ..	{ American Elevator Co., 4 Qn. Viet. St., E.C. (Lyndentree, London.)
1890 Jan. 14.	THORPE, WILLIAM HENRY ..	121 Kedleston Rd., Derby.
1891 Mar. 3.	THORROLD, STEPHEN ELGAR ..	Grove Rd. No. Ormesby, Middlesbro'.
1889 Feb. 5.	*THRUPP, EDGAR CHAS. .. ..	13 Victoria Street, S.W.

Date of Election.	ASSOCIATE MEMBERS.	
1879 May 6.	THUEY, ALEXANDER .. ..	Stevenage, Herts.
† 1880 Dec. 7.	*THWAITE, BENJAMIN HOWARTH .. ..	{ 37 Victoria St., Liverpool. (Applicants, Liverpool.)
1889 Dec. 3.	TICKELL, GEORGE TEMPLER ..	H. S. King & Co., 65 Cornhill, E.C.
1887 Dec. 2.	*TICKELL, RICHARD EUSTACE ..	The Lypiatts, Cheltenham.
1893 Feb. 7.	TIDD, ERNEST GEORGE .. ..	11 Collingham Road, S.W.
1890 Dec. 6.	*TIDDEMAN, EDMUND SPENSER ..	1 Barwick Road, Forest Gate, E
1867 Dec. 3.	TIJOU, WILLIAM .. ..	19 Orchard Rd., Highgate, N.
1893 May 16.	*TILL, GUY LAURENCE .. ..	City Surv.'s Office, Birmingham.
1891 Dec. 1.	TILLEY, ALBERT .. ..	{ B. Dawson, York House, Malvern Link.
1869 Dec. 7.	TIMINS, HY. CHAS. ANDERSON ..	Pebble Hill Ho., Limpsfield, Surrey.
1891 Dec. 1.	TIMME, GEORGE ADOLPHUS ..	24 Strathblaine Rd., New Wandsworth,
1889 Apr. 2.	*TIMMINS, ARTHUR .. ..	Bridgewater F'dry, Runcorn. [S.W.
1889 Dec. 3.	TIMMINS, JOSEPH .. ..	Gas Works, Wigan.
1890 May 20.	TIMONOFF, Prof. VSEVOLOD DE	{ Ministère des Voies de Communication, St. Petersburg.
1877 Apr. 10.	*TINGLE, HENRY JOHN .. ..	7 Gt. Queen St., Westminster, S.W.
1875 Mar. 2.	*TINTORER GIERGGA, JOSÉ ..	Asalto 12, Barcelona, Spain.
1893 May 2.	*TIPPETT, ARTHUR MAY .. ..	Harbour Works, East London, C.C.
1889 Feb. 5.	TIPPETT, GEORGE FREDERICK ..	East London, Cape Colony.
1884 May 6.	TISDALE, CHAS. JEROME, B.A. ..	23 Spenser Road, Bedford.
1887 Jan. 11.	TIVOLI, JOSEPH WILLIAM DE ..	Dibrugarh, Assam, India.
1893 Mar. 7.	*TOCKE, ALF. REGINALD .. ..	P. W. D., Anuradhapura, Ceylon.
1880 Mar. 2.	*TODD, AUGUSTUS BYTHESEA ..	P. W.D., Duggirala, Madras.
1890 May 20.	TODD, WILLIAM HENRY .. ..	Land of Green Ginger, Hull.
1861 May 7.	TOLER, JOHN MORTON .. ..	Saltersford Hall, Holmes Chapel.
1889 Jan. 8.	TOMALIN, HERBERT FREDERICK ..	P.W.D., Colombo, Ceylon.
1872 Dec. 3.	TOMKINS, HENRY .. ..	27 Grove Rd., St. John's Wood, N.W.
1890 Apr. 1.	TOMKINS, WILLIAM HENRY .. ..	Glenhurston, Lowther Hill, Forest Hill, S.E.
1892 Feb. 2.	Tomlinson, THOMAS .. ..	Lynton, Durham Rd., Raynes Pk., S.W.
1881 May 31.	TONGE, JAMES .. ..	Hulton Pk. Colliery, Bolton-le-Moors.
1881 May 31.	TONKIN, WALTER WILLIAM ..	221 Brixton Road, S.W.
1892 Dec. 6.	TOOKER, HUGH POLLOCK, B.E. ..	P.W.D., Hong Kong.
1893 Mar. 7.	*TOOTH, STANLEY, B.A. .. ..	13 Queen's Rd., Erith, Kent.
1890 Feb. 4.	TOOZS, ROBT. WILLIAM LYONS ..	H. S. King & Co., 65 Cornhill, E.C.
† 1885 Dec. 1.	*TOPHAM, FRANCIS DAVID ..	King, King, & Co., Bombay.
1873 Dec. 2.	*TOPLIS, FREDERICK .. ..	129 Fellows Rd., S. Hampstead, N.W.
1878 Feb. 5.	*TORRENS, GERARD PHILIP ..	145 Cromwell Road, S.W.
1890 Dec. 2.	TOUCHON, AUGUSTE .. ..	14 Caixa do Correio, Rio de Janeiro.
1880 Mar. 2.	{ *TOWNESEND, CHAS. JOHN HY. FYLER .. ..	Station Hotel, Forfar, N.B.
1875 Jan. 12.	*TOWNESEND, FRANCIS EDWARD ..	25 Change Alley, Sheffield.
1885 Jan. 13.	TOWNESEND, HARRY .. ..	Gasworks, Coxsidge, Plymouth.
† 1884 Dec. 2.	{ TOWNSHEND, BERNARD O'DRISCOLL .. ..	72 Durnford St., Stonehouse, Devon.
1884 Apr. 1.	TRAILL, WILLIAM ACHESON ..	Portrush, co. Antrim.
1893 Feb. 7.	TRavers, THOMAS PATRICK ..	Gasworks, Cork.
1890 Apr. 1.	TREGLOWN, CHARLES HOCKIN ..	38 Wretham Rd., Handsworth.
1886 Jan. 12.	TRENCH, GILBERT KENNEDY ..	187 Barry Rd., East Dulwich, S.E.
1893 May 16.	TERRY, EUGENE HORACE .. ..	108 Disraeli Road, Putney, S.W.
1883 Dec. 4.	TREVITHICK, ROBERT LOUTHIAN ..	Byculla Club, Bombay.
1881 May 31.	TRIER, FRANK HENRY JULIUS ..	19 Great George Street, S.W.
1892 Apr. 5.	*TRISTRAM, CHARLES FRANCIS ..	Ottoman Bank, Constantinople.
1893 Mar. 7.	TRITTON, SEYMOUR BISCOE ..	8 Great George Street, S.W.
T t † 1883 Mar. 6.	*TROTTER, ALEX. PELHAM, B.A. ..	28 Victoria Street, S.W.
1883 Dec. 4.	*TRUMP, JOHN .. ..	Taiping, Perak, S.S.
1892 Dec. 6.	*TRYE, CHARLES BRANDON ..	Eng.'s Office, Midland Ry., Derby.
1883 Dec. 4.	TUCK, EDMUND HENRY, F.C.H. ..	30 East Dulwich Grove, S.E.
1892 May 3.	TUCKER, ROBERT BOUCHER ..	44 Kennington Oval, S.E.
1890 Dec. 2.	TUCKEY, T. W. TOWNSEND, B.E. ..	Govt. Rys., Tientsin, China.
1892 Dec. 6.	TUCKWELL, JOHN MORRISON ..	3 Gracechurch Street, E.C.

Date of Election.	ASSOCIATE MEMBERS.	
1891 Dec. 1. TUDHOPE, ALFRED DRYDEN ..	..	[E.C.]
t ♫ 1882 Feb. 7. *TUFNELL, CARLETON FOWELL ..	Crompton & Co., Mansion Ho. Bldgs.,	
1884 May 27. TUFVESSON, THEODOR .. ..	Porto Alegre, Rio Grande do Sul,	
1885 Dec. 1. *TUIT, JAMES EDWARD .. ..	32 Victoria St., S.W. [Brazil.]	
1881 Dec. 6. *TULLOCH, FREDERICK HERBERT	{ Major Tulloch, R.E., Local Govt. Board, S.W.	
1880 Mar. 2. TULLY, THOMAS .. .. ..	Eckersley, Godfrey & Liddelow, Grande Maison Mélas, Athens.	
1878 May 28. TUNSTALL, JOHN .. .. ..	141 Lordship Rd., Stoke Newington, N.	
1890 Dec. 2. *TURNBULL, NICHOLAS K., Wh.Sc.	So. Overdale, Langside, Glasgow.	
1869 Mar. 2. TURNER, FRANK .. .. ..	Bracondale, Ontario, Canada.	
1873 May 20. TURNER, FRANK DE MIERRE ..	Oporto, Portugal.	
1884 Dec. 2. *TURNER, JOHN HARRISON ..	34 Belleville Rd., Wandsworth, S.W.	
1876 May 30. TURNER, ROBERT CHARLES ..	Waldeck Avenue, Bedford. [Brazil.]	
m 1875 Mar. 2. *TWEEDIE, WILLIAM .. .. ..	Porto Alegre Ry., Rio Grande do Sul,	
1890 May 6. TWEEEN, CHARLES NELSON ..	Hillside, Widford, Ware, Herts.	
1893 Apr. 11. *TWINBERROW, JAMES DENIS ..	Saltley Central Works, Birmingham.	
1891 Jan. 13. *TWINBERROW, JOHN WULSTAN	M. Ry., Trent, near Nottingham.	
1892 May 3. { TWINING, CHARLES RUFUS	Cia. Empreiteira, S. Pedro 56, Rio de Janeiro.	
m 1877 May 1. *TYLOB, JOSEPH JOHN .. ..	2 Newgate St., E.C.	
1888 Feb. 7. *TYLOR, LOUIS EDWARD .. ..	6 Northcote Rd., Clifton, Bristol.	
1890 May 6. *TYNDALE, WALTER CLIFFORD	Horse Guards, Whitehall, S.W.	
1884 Dec. 2. TYNDALL, THOMAS HARMAN ..	Grindlay & Co., Calcutta.	
m 1880 Dec. 7. *TYSOE, JOSEPH .. .. ..	Ardavon, Westcombe Park Rd., S.E.	
1890 May 6. TYZACK, DAVID .. .. ..	71 Westgate Rd., N'w'c'stle-on-Tyne.	
1877 Feb. 6. UHAGON, RECARERO DE .. ..	Valenzuela 4, Madrid.	
1892 Feb. 2. UNSWORTH, WILLIAM .. ..	Toxteth Pk. Local Board, Liverpool.	
1870 Dec. 6. UNWIN, HERBERT .. .. ..	Brincliffe House, Sheffield.	
1872 Feb. 6. *USILL, GEORGE WILLIAM ..	12 Spencer Rd., St. John's Hill, S.W.	
1884 Dec. 2. *VACHELL, THEODORE .. ..	34 Bridge Street, Newport, Mon.	
1879 Mar. 4. *VACHER, HERBERT PERKINS ..	Vulcan Ironworks, Winchester.	
1889 Jan. 8. VALENTINE, DAVID WM. TRAIL	P.W.D., Quilon, Travancore, India.	
1875 May 4. VALON, WM. ANDRW. MCINTOSH	140 Temple Chambers, E.C.	
† 1858 Dec. 7. VARLEY, SAMUEL ALFRED ..	Arrow Wks., Jacksoul Rd., Holloway, N.	
1892 Dec. 6. VASSALLO, ANDREA .. .. ..	87 Scesa Marina, Valletta, Malta.	
1890 Feb. 4. VEASEY, THOMAS FREDRICK ..	Waterloo Hotel, 10 York Rd., S.E.	
1874 Dec. 1. VEEVERS, HARRISON .. .. ..	The Lakes, Dukinfield.	
1891 Jan. 13. VENNING, EDWARD .. .. ..	P.W.D., Kandy, Ceylon.	
1878 Apr. 2. *VENTIS, ARTHUR .. .. ..	49 Seymour St., Portman Square, W.	
1888 May 1. { *VERDON, ARTHUR LAURENCE	Australian Club, Sydney, N.S.W.	
RIDLEY .. .. ..		
1893 Feb. 7. { *VEREKER, FREDERICK JAMES	Trust, Loan & Agency Co., Calle de Gante 11, Mexico.	
WELLINGTON .. .. ..		
1893 May 16. VERNON, CHARLES EDWARD ..	Alnwick, Plaistow, E. [Buenos Ayres.]	
1889 Jan. 8. VERSCHOYLE, BERESFORD ..	F. C. Rosario, Av. de Mayo 248,	
1886 Apr. 6. *VESEY, ARTHUR HENRY ..	Cadogan Gardens, Sloane Sq., S.W.	
1891 Mar. 3. *VESIAN, JOHN STUART ELLIS DE	{ 5 Crown Court, Cheapside, E.C. (Biceps, London.)	
1891 Dec. 1. VIBART, GEORGE .. .. ..	South. Mahratta Ry., Dharwar, India.	
1891 Apr. 7. *VICARS, JAMES, B.E. .. ..	Palace St., Ashfield, N.S.W.	
† 1887 May 3. VICKERY, SAMUEL KINGSTON ..	Surveyor, Ararat, Victoria.	
1887 Dec. 6. VILLIERS, JOSIAS EDWARD DE	Box 1202, Johannesburg, Transvaal.	
1877 Dec. 4. *VINT, GEORGE EDWARD .. ..	Commercial Bank Buildings, Brad-	
1886 Jan. 12. *VINTER, WALT. FREDK., B.A.	Glenville, Walton-on-Thames. [ford.	
1887 May 3. { VISVESVARAIYA, MOKSHAGUN-	P.W.D., Poona, India.	
DAM, B.A. .. .. ..		
1868 Dec. 1. VIVIAN, HENRY ANDREW .. ..	Ferro Carril de Coquimbo, Chili.	

Date of  
Election.

## ASSOCIATE MEMBERS.

1880 Apr. 6.	VIVIAN, WALTER MORRISON ..	Dist. Eng., Vellore, Madras
1887 Jan. 11.	*VOGAN, HAROLD SEBASTIAN ..	Ry. Dept., Bridge St., Sydney, N.S.W.
1882 Dec. 5.	*VOYSEY, HENRY WESLEY ..	1 Fordwych Rd., Brondesbury, N.W.
† 1887 Dec. 6.	*WACKRILL, ALFRED EDWARD ..	Surv.-Gen.'s Off., Colombo, Ceylon.
1888 Feb. 7.	*WADDELL, GEORGE .. .. ..	P.W.D., Colombo, Ceylon.
1883 Feb. 6.	{ WADDELL, JOHN ALEX. LOW, Ma. E. .. .. .. ..	Keith & Perry Building, Kansas, Mo., U.S.
1890 Dec. 2.	WADDELL, WILLIAM .. ..	5 Romilly Road, Barry, Cardiff.
1893 May 16.	{ WADDINGTON, JOSHUA ARTHUR PAGET .. .. .. ..	Vestry Hall, Islington, N.
1883 Dec. 4.	*WADDINGTON, RICHARD .. ..	35 King William Street, E.C. (1518.)
1888 Feb. 7.	*WADDINGTON, SAMUEL SUGDEN ..	35 King William Street, E.C. (1518.)
1893 May 2.	{ *WADE, EDWARD HYDE ROBERT WYBRANTS .. .. .. ..	Surveyor-General's Dept., Kegalle, Ceylon.
1880 Apr. 6.	WADE, GEORGE .. .. ..	Caversham House, Brixton Hill, S.W.
1889 Dec. 3.	{ WADE, LESLIE AUGUSTUS BUR- TON .. .. .. ..	Water Conservation Branch, Mines Dept., Sydney, N.S.W.
1891 Feb. 3.	{ *WADHAM, WALTER FRAS. AINS- LIE, M.A. .. .. .. ..	Millwood, Dalton-in-Furness.
1873 Dec. 2.	{ WADIA, NOWROSJEE NESSER- WANJEE, C.I.E. .. .. ..	Chinelpowgly, Parel Rd., Bombay.
1888 Jan. 10.	*WALES, GEORGE HERBERT ..	Rounton, Watford. [Trent.
1891 May 5.	WAIN, EDWARD BROWNFIELD ..	Norton - in - the - Moors, Stoke-on-
1882 May 23.	*WAKEFIELD, HENRY TYNDALL ..	County Couneil, Spring Gdns., S.W.
1883 Dec. 4.	WAKELAM, HENRY TITUS ..	County Surveyor, Hereford.
1888 Apr. 10.	WALDRON, FRANK WILLIAM ..	Harbour Works, East London, C.C.
1888 Dec. 4.	WALKER, ALEXANDER .. ..	Arauco Co., Coronel, Chili.
1890 Mar. 4.	WALKER, ALEXANDER THOMSON ..	Waterworks, Reading. [N.W.
1888 Dec. 4.	*WALKER, CHARLES LESLIE ..	48 Abbey Gardens, St. John's Wood,
1877 May 29.	WALKER, CHARLES ROBERT ..	15 Great George Street, S.W.
1889 May 7.	WALKER, GEORGE BLAKE ..	Tankersley Grange, nr. Barnsley.
1887 Jan. 11.	*WALKER, GEORGE POWELL ..	62 Blackfriars Rd., S.E.
1884 Dec. 2.	WALKER, HERBERT .. ..	Newcastle Chams., Nottingham.
1892 Apr. 5.	WALKER, JOSEPH ROBERT ..	Marlowe House, Dulwich, S.E.
1891 Dec. 1.	*WALKER, MURRAY .. ..	
1879 Dec. 2	WALKER, ROBERT .. ..	17 South Mall, Cork.
1881 Dec. 1.	*WALKER, ROBERT, JUN., B.E.	11 Royal Avenue, Chelsea, S.W.
1885 Dec. 1.	WALKER, SYDNEY FERRIS ..	195 Severn Road, Cardiff. (Dynamo.)
1889 Dec. 3.	WALKER, WILLIAM .. ..	Strahan, Tasmania. [Cardiff.]
1875 Dec. 7.	*WALKER, ZACCHEUS .. ..	Fox Hollies Hall, nr. Birmingham.
1879 May 27.	WALLACE, ALEXANDER .. ..	Kilmunning, Crail, N.B.
1881 Dec. 6.	*WALLACE, JAMES .. ..	The Brake, Strathie, Fife. [Natal.
1890 Dec. 2.	WALLACE, JAMES DOUGLAS ..	Northcote, Willow Grange Station,
1880 Dec. 7.	*WALLACE, JOHN HENRY ..	Cliffdale, Weenan County, Natal.
1882 May 23.	*WALLACE, LAWRENCE AUBREY ..	J. Jackson. 11 Clements Lane, E.C.
1893 Mar. 7.	*WALLER, ARTHUR HERBERT ..	Town Hall, Durban, Natal.
1884 May 27.	WALLINGTON, JAMES .. ..	Rua do Ouvidor 139, Rio de Janeiro.
1882 May 23.	WALLIS, BERESFORD GAHAN ..	Firgrove, Simla, India. [N.W.
1889 May 21.	WALLIS-JONES, REGINALD JOHN ..	6 Hampstead Mansions, Heath St.,
1879 Feb. 4.	WALLNUTT, RICHARD .. ..	Boro' Sur., Kew, Melbourne, Victoria.
1883 Feb. 6.	*WALROND, T. CH. TROUBRIDGE ..	47 Victoria Street, S.W.
1885 Feb. 3.	*WALSH, CHARLES ARROWSMITH ..	King, Hamilton & Co., Calcutta.
1886 Mar. 2.	*WALTERS, HARRY ERNEST ..	2 Great George Street, S.W.
† 1885 Dec. 1.	*WANKLYN, FREDERIC LUMB ..	Grand Trunk Ry., Montreal, Canada.
1892 Dec. 6.	WARD, ARTHUR WILLIAM ..	Lisburn, Merton Rd., Southsea.
1889 May 7.	*WARD, EDWARD THOMPSON ..	Brookfield House, Northwich.
1891 Dec. 1.	*WARD, FREDERICK DARWENT ..	3 Cobden Street, Welshpool.
t † 1883 Mar. 6.	WARD, HENRY .. .. ..	110 Cannon Street, E.C.
1876 May 2.	WARD, HENRY THOMAS SIMPSON ..	114 Netherwood Rd., Kensington, W.
1891 Dec. 1.	WARD, JAMES CARPENTER ..	Milford Docks, Milford Haven.
1888 May 1.	WARD, JOHN .. .. ..	Depy. City Surveyor, Sheffield.

Date of  
Election.

## ASSOCIATE MEMBERS.

1892 May 24.	WARD, THOMAS .. ..	Grey St., Wellington, N.Z.
1888 Dec. 4.	WARD, THOMAS HENRY .. ..	Burma Coal Co., Letkobin, Shwebo,
1885 Dec. 1.	*WARD, THOMAS RAWDON .. ..	P.W.D., Colombo, Ceylon. [Burma.]
1891 Dec. 1.	*WARD, THOS. W. CHAPMAN, B.E.	P.W.D., Sydney, N.S.W.
1884 Mar. 4.	*WARD, WILLIAM PETTIT .. ..	Longhedge Works, Wandsworth Rd.,
1887 Dec. 6.	*WARDE, CHARLES PARRY .. ..	P.W.D., Seebpore, Bengal. [S.W.]
1877 Dec. 4.	WARDLE, JAMES WILLIAM .. ..	Borough Engineer, Longton.
1892 Jan. 12.	*WARDROP, CHARLES CAMPBELL ..	3 Redcliffe St., Brompton, S.W.
1887 Dec. 6.	WARE, GEORGE WEBB .. ..	Bengal-Nagpur Ry., Jeroikola, India.
1892 Dec. 6.	WARING, CHARLES EDWARD ..	1 Charles Street, Cardiff.
1888 Feb. 7.	WARNEFORD, REGINALD H. WM.	King, King & Co., Bombay.
1888 Dec. 4.	WARNER, WILLIAM .. ..	Hope Drive, The Park, Nottingham.
1890 Dec. 2.	*WARRACK, ROBERT .. ..	Portland, Oregon, U.S.
1887 Jan. 11.	WARREN, HENRY BUCKLER ..	Vancouver, British Columbia.
1886 May 4.	*WARREN, JOHN ALEXANDER ..	115 Wellington Street, Glasgow.
1885 May 19.	WARREN, WILLIAM .. ..	5 Victoria Buildings, Hong Kong.
1842 May 3.	WARRINER, HENRY .. ..	6 The Grove, Clapham Road, S.W.
1887 Dec. 6.	*WASEY, GEORGE KINDERSLEY ..	W. I. P. Ry., Mormugão, Goa, India.
1888 Jan. 10.	WATANABE, KAICHI, B.Sc. ..	{ 13 Omote - Sanchome, Akasaka, Tokio, Japan.
1890 Mar. 4.	WATERS, HORACE REG., B.E. ..	Eng's Office, Edenderry, King's Co.
1885 Apr. 14.	WATKEYS, GEORGE .. ..	Goring Road, Llanelli. [S.S.]
1889 Mar. 5.	*WATKINS, ALEXANDER J. WM.	Govt. Ry., Kwala Lumpur, Selangore,
1883 May 29.	WATKINS, RICHARD .. ..	260 Cleveland St., Sydney, N.S.W.
1875 Dec. 7.	WATKINS, STEPHEN .. ..	Prince's Chambers, Wolverhampton.
1891 Dec. 1.	*WATKINS, WILFRID JOHN ARIS ..	Mechanical Gold Extracting Co., Johannesburg, Transvaal.
1879 Mar. 4.	*WATSON, CHARLES JAS. KNIGHT ..	P. W. D., Cuddapah, India.
1891 Feb. 3.	WATSON, CLAUD ROBERT ..	2 Old Palace Yard, Westminster, S.W.
1889 Dec. 3.	*WATSON, FRED. HOWARD, B.A.	69 Derby Sq., Douglas, Isle of Man.
1886 May 18.	*WATSON, JOHN DUNCAN .. ..	County Buildings, Aberdeen.
1890 Dec. 2.	*WATSON, WILLIAM, B.E. ..	Stowlín, Eyrecourt, Ireland.
1891 Dec. 1.	*WATSON, W. STEPHEN. .. ..	St. Leonard's Vicarage, Tring.
1878 Feb. 5.	*WATTS, GEORGE KEMPTHORNE ..	Watson & Co., 27 Leadenhall St., E.C.
m 1877 May 29.	*WATTS, NICHOLAS .. ..	Bank Buildings, Bristol.
1893 Apr. 11.	*WAYNFORTH, HARRY MORTON ..	63 Wellington Rd., Edgbaston.
1888 Dec. 4.	WEARING, WILLIAM .. ..	15 Bank Parade, Preston.
1891 Apr. 7.	WEAVER, EDWARD .. ..	Club da Engenharia, Rio de Janeiro.
1882 Dec. 5.	WEAVER, HENRY EDWARD ..	Club da Engenharia, Rio de Janeiro.
1886 Dec. 7.	WEBB, RICHARD GEORGE ..	{ Richardson & Cruddas, Byeulla, Bombay.
1887 May 3.	*WEBSTER, CHARLES, Wh. Sc. ..	26 Annandale Rd., Chiswick, W.
1890 Apr. 1.	*WEBSTER, GEORGE JOHNSTON ..	{ A. M. P. Society's Buildings, Cathedral Square, Christchurch, N.Z.
1892 Dec. 6.	WEBSTER, HENRY, B.E. ..	County Surveyor, Wexford. [N.S.W.]
1890 Dec. 2.	WEBSTER, JAMES PHILIP ..	Boro' Eng., Marrickville, Sydney,
1875 Apr. 6.	WEBSTER, JOHN .. ..	Exning, Newmarket.
1893 Feb. 7.	*WEEKES, ROBT. WILLSHER, Wh.Sc.	25 Delafield Rd., Charlton, S.E.
1883 Mar. 6.	WEEKS, THOMAS SAMUEL ..	Wrington, Torquay.
1886 Feb. 2.	WEIGHT, GEORGE PEACOCK ..	Casilla 106, Cordoba, Buenos Ayres.
‡ 1888 Dec. 4.	*WEIGHTMAN, WALTER JAMES ..	Nilgiri Ry., Coonoor, Madras.
1885 May 19.	{ WEINSCHENCK, GUILHERME .. ..	Caixa 27, Santos, Brazil.
	{ BENJAMIN .. ..	
1884 Feb. 5.	*WEIR, THOMAS DUNCAN .. ..	F. C. Central, Caracas, Venezuela.
1892 Mar. 1.	{ WEISS, CHARLES THEODORE .. ..	{ Electric Supply Corporation,
	{ HERMANN .. ..	{ Eccleston Place, S.W. [many.
1878 May 7.	*WEISS, HUBERT AUGUST OTTO ..	21 Nordstrasse, Cöln-Nippes, Ger-
1880 May 4.	WELCH, ERNEST FREDERICK ..	Chargrove Lawn, Cheltenham.
1886 Jan. 12.	WELCH, JAMES WILLIAM ..	City Surv.'s Off., Manchester.
1890 Dec. 2.	*WELDON, HERBERT NICOL ..	15 Greenfield Cres., Edgbaston.
1885 Feb. 3.	WELLER, HARRY WRAY ..	Woodlands, Jamaica, L. I., U.S.A.
m ‡ 1891 Dec. 1.	*WELLS, SIDNEY HERET., Wh.Sc.	Yorkshire College, Leeds. [N.S.W.]
1888 May 1.	*WELLS, WILLIAM SEYMOUR ..	Rds. & Bridges Dept., Richmond,

Date of Election.	ASSOCIATE MEMBERS.
1879 Feb. 4.	WELLSTED, WILLIAM HENRY
1892 Mar. 1.	WELSH, ALEXANDER .. ..
1883 Apr. 3.	WELTON, WIM. SHAKSPEARE ..
1875 Dec. 7.	*WEST, THOMAS EDWARD ..
1881 May 3.	WESTERN, MAXIMILIAN RICHD.
1877 Apr. 10.	WESTHOFFEN, WILHELM .. ..
1887 May 24.	WESTON, HARRY JACOB .. ..
1886 Apr. 6.	WHALE, GEORGE .. ..
1886 Dec. 7.	*WHATELEY, RICHARD .. ..
1883 Feb. 6.	WHEELER, GEO. ROBT. WELEY
m 1892 Dec. 6.	*WHEELER, WM. HERBERT, B.A.
1885 May 5.	WHEELDON, JOHN HENRY ..
1885 May 19.	WHINFIELD, JOHN HY. RICHD.
1891 Dec. 1.	*WHITAKER, JAMES, Wh.Sc. ..
1882 Dec. 5.	WHITAKER, WILLIAM BUTLER
† 1881 Feb. 1.	WHITE, ALFRED EDWARD ..
1884 Jan. 8.	WHITE, ALFRED GEORGE ..
1892 Apr. 5.	*WHITE, CHARLES STANLEY ..
1878 Feb. 5.	*WHITE, EDWIN JAMES .. ..
1887 Mar. 1.	WHITE, GEORGE .. ..
1883 May 1.	*WHITE, GEORGE GILBERT ..
1893 Feb. 7.	*WHITE, JOHN .. ..
1890 May 6.	WHITE, LAWRENCE FLETCHER
1887 Mar. 1.	WHITE, THOS. C. HUTCHINSON
1885 Dec. 1.	WHITELEY, JOHN JOSEPH ..
1893 May 2.	WHITHARD, BROOKE MIDDLEMORE
1880 Mar. 2.	*WHITMORE, LAWRENCE HERSEE
1893 Mar. 7.	WHITWORTH, THOMPSON .. ..
1865 Feb. 7.	WHITWORTH, WM. STANLEY ..
1892 Dec. 6.	WHYATT, HENRY GILBERT ..
1890 May 6.	WHYTEHEAD, HUGH EDWARD
1869 May 4.	WICKENDEN, ALFRED AUTHORN
1884 Dec. 2.	WIGAN, LEONARD .. ..
1893 Jan. 10.	WIGG, WILLIS .. ..
1893 Mar. 7.	WIGNALL, JOHN ROBERT ..
1887 May 3.	*WILD, ARTHUR EDWIN, Wh. Sc.
1876 Mar. 7.	WILD, JOSEPH HENRY .. ..
1883 Dec. 4.	*WILDE, FRANCIS SAMUEL ..
1888 Feb. 7.	WILKINSON, EDWARD .. ..
1885 Feb. 3.	*WILKINSON, HENRY WALL ..
1887 Feb. 1.	WILKINSON, JAMES PICKLES ..
1879 Dec. 2.	WILKINSON, ROBERT ALFRED
1890 Apr. 1.	*WILKINSON, WILLIAM FISCHER
1883 Feb. 6.	*WILCOX, JOSEPH EDWARD ..
1892 Dec. 6.	WILLIAMS, ARTHUR EDWARD
1881 Apr. 5.	*WILLIAMS, CLAUDE ST. MAUR
1889 May 7.	WILLIAMS, ERNEST .. ..
1892 May 24.	WILLIAMS, FRANK LIONEL ..
1886 Feb. 2.	*WILLIAMS, GILBERT PERCY ..
1889 May 7.	WILLIAMS, HENRY MORTON ..
1875 May 4.	WILLIAMS, HUGI .. ..
1881 Feb. 1.	*WILLIAMS, JOHN HENRY ..
1885 Dec. 1.	{ *WILLIAMS, MORGAN J. MAN-
	DERSJERNA, M.A. .. ..
1870 May 24.	WILLIAMS, RICHARD HARRIS ..
1887 Dec. 6.	WILLIAMS, ROBERT .. ..
1882 Feb. 7.	*WILLIAMS, THOMAS HENRY ..
1890 Dec. 2.	WILLIAMS, WILLIAM HUGH ..
m 1871 Dec. 5.	*WILLIAMS, WILLIAM WALTON
1892 Apr. 5.	*WILLIAMSON, ANDREW .. ..
1890 Jan. 14.	*WILLIAMSON, ARTHUR .. ..
	Kingston-upon-Hull.
	14 Spotteswoode St., Edinburgh.
	Duncan Bros., 2 Victoria Mansions, Union Street, Oldham. [S.W.]
	{Bombay-Burma Trading Corpora- tion, Bangkok, Siam.
	P.W.D., Cape Town, C.C.
	24 Portland St., Southampton.
	L. & N. W. Ry., Crewe.
	Bombay, Baroda & C. I. Ry., India.
	Town Hall, Westminster, S.W.
	Boston, Lines.
	75 Ivydale Road, Nunhead, S.E.
	Cavendish Rd., Sutton, Surrey.
	H. Simon, 20 Mount St., Manch'r.
	3,636 Calle Rivadavia, Buenos Ayres.
	Boro' Eng.'s Off., Town Hall, Hull.
	11 Queen Victoria Street, E.C.
	Daisy Hill, Rawdon, Leeds.
	Lambert & Sons, Short St., Lambeth, The Farm, Mexborough. [S.E.]
	King, King & Co., Bombay.
	Boro' Engineer, Folkestone.
	M. S. & L. Ry., Byfield, Northants.
	W. Watson & Co., Bombay.
	Binny & Co., Madras.
	Sapphires & Rubies Co., Bangkok,
	23 Bucklersbury, E.C. [Siam.]
	18 Dinsdale Rd., Blackheath, S.E.
	Barrow-in-Furness.
	Town Hall, Salford. [Treat.
	No. Staff's Tramways Co., Stoke-on-
	39 Farquhar Rd., Upper Norwood.
	11 Randolph Gardens, Dover.
	59 Hinckley Rd., Leicester.
	City Eng.'s Office, Cape Town, C.C.
	8 Park Road North, Acton, W.
	5 Fitzroy Ter., Stoke, Plymouth.
	King, Hamilton & Co., Calcutta.
	Asst. City Surv., Melbourne, Victoria.
	4 Hartfield Rd., Eastbourne. [chester.
	Assheton Rd., Newton Heath, Man-
	A. E. Shaw, Woolley & Co., Calle
	Piedad 345, Buenos Ayres.
	Peterborough House, Harrow.
	118 Colmore Row, Birmingham.
	Mavisbank, Upminster, Essex.
	Belle Vue, Harrow. [vaal.
	P.O. Box 965, Johannesburg, Trans-
	The Oaks, Altrincham.
	18 Great George Street, S.W.
	Ry. Works, Lismore, N.S.W.
	163 Edge Lane, Liverpool.
	48 Halford Rd., Richmond, Surrey.
	39 Victoria Street, S.W.
	Cudra, St. Austell, Cornwall.
	4 Queen's Gardens, Aberdeen.
	Clarendon, Crieff Rd., Wandsworth
	L. & N. W. Ry., Watford. [Com., S.W.]
	25 Oakley St., Chelsea, S.W.
	34 Park Grove Pl., Sandyford, Glasgow.
	6 Millstone Lane, Leicester.

Date of  
Election.

## ASSOCIATE MEMBERS.

1892 Mar. 1.	WILLIAMSON, RICHARD .. ..	Oakhurst, Cockerhamouth.
1886 May 18.	*WILLINK, WILHEM .. ..	35 Copthall Avenue, E.C. [Argentina
1890 Apr. 1.	*WILLIS, HARRY ATCHISON ..	F. C. Central de Cordoba, Cordoba,
1878 May 28.	*WILLIS, ROBERT HENRY ..	39 Grafton St., Fitzroy Square, W.
1889 May 7.	WILLIS, WALTER .. ..	20 Nottingham Place, W.
1870 Jan. 11.	WILLMAN, CHARLES .. ..	Burlington Ho., Coatham, Redcar.
1886 Apr. 6.	WILLMOTT, SAMUEL GRAHAM ..	{ 40 Chesterfield Road, Montpelier, Bristol.
1888 Jan. 10.	WILLOX, WILLIAM, M.A. ..	57 Victoria Road, Clapham, S.W.
1876 May 30.	WILMOT, CLEMENT HEATHERLY ..	Caixa 954, Rio de Janeiro.
1884 May 6.	WILSON, ALEXANDER, M.E. ..	5 Limesford Rd., Nunhead, S.E.
1891 Mar. 3.	WILSON, ALEXANDER .. ..	P.W.D., Melbourne, Victoria.
1869 Dec. 7.	WILSON, ALEXANDER FAIRLIE ..	Burnbrae, Balfour, N.B.
1879 Feb. 4.	*WILSON, ARTHUR HENRY ..	Seacroft Hall, near Leeds.
1889 Apr. 2.	WILSON, ARTHUR PRANGLEY ..	353 Mansion House Chambers, E.C.
1874 Feb. 3.	WILSON, CHARLES GEORGE ..	244 <sup>E</sup> Bluff, Yokohama, Japan.
1892 Dec. 6.	WILSON, CHAS. LOUIS NAPOLEON ..	Western Villa, Bilston.
1886 Apr. 6.	WILSON, GEORGE .. ..	13 Victoria Street, S.W.
1892 May 3.	*WILSON, HERMAN GEORGE ..	Heatherbank, Weybridge.
1879 Mar. 4.	WILSON, JAMES .. ..	Cairo, Egypt. [Hill, S.E.
1889 Mar. 5.	*WILSON, JAMES FREDERIC ..	Haslemere, Hurstbourne Rd., Forest
‡ 1887 Dec. 6.	WILSON, JNO. ALEXANDER ..	P.W.D., Westport, N.Z.
1877 Feb. 6.	WILSON, JOSEPH WILLIAM, Jun.	South Tower, Crystal Palace, S.E.
1888 Jan. 10.	*WILSON, MAURICE .. ..	South Tower, Crystal Palace, S.E.
1884 Feb. 5.	*WILSON, MAURICE FITZ-GERALD ..	Dock Office, Southampton.
1886 Dec. 7.	WILSON, THOMAS BRIGHT ..	Derby Rd., Fallowfield, Manchester.
1876 Apr. 4.	WILSON, THOMAS PERCEVAL ..	7 Brechin Place, Kensington, S.W.
1891 Feb. 3.	*WILSON, WALTER .. ..	{ 6 Whitefriar Gate, Hull. (White- friars, Hull.)
m 1875 Mar. 2.	*WILTON, FRANCIS .. ..	6L Hyde Park Mansions, N.W.
1871 Dec. 5.	WINCKLER, GEORGE WALTER ..	Cheviott St., Monks Road, Lincoln.
1891 Apr. 7.	WINDER, THOMAS .. ..	Norfolk Estates Office, Sheffield.
1873 May 20.	*WINDHAM, FRANCIS .. ..	73 Queen Victoria Street, E.C.
1886 Feb. 2.	*WINDOW, EDMUND RICHARD ..	16 Cook Street, Liverpool.
1881 Apr. 5.	WINGFIELD, CHAS. HUMPHREY ..	Lingard House, Chiswick Mall, W.
1879 Feb. 4.	WINSHIP, GEORGE .. ..	Borough Surveyor, Abingdon.
1877 May 29.	WINSTANLEY, GEORGE .. ..	Gasworks, Coventry. (Gas, Coventry.)
1887 Feb. 1.	WINSTANLEY, WILLIAM .. ..	Gasworks, Newcastle-under-Lyne.
1892 Feb. 2.	*WISSENDEN, REGINALD ..	Blackwall Widening, 120 Leman
1885 Jan. 13.	WISWALL, FRANCIS .. ..	Stanley Villas, Runcorn. [Street, E.
1875 Dec. 7.	WITTS, GEORGE BACKHOUSE ..	Hill Ho., Leckhampton, Cheltenham.
1889 Dec. 3.	WOLFF, WILLIAM HENRY ..	B. B. & C. I. Ry., Bombay.
1881 May 31.	*WOLLEY-DOD, FRANCIS, F.C.H. ..	King, King & Co., Bombay.
1892 Apr. 5.	WOLHEIM, ALBERT .. ..	101 Leadenhall Street, E.C.
1888 Jan. 10.	WOLSTENHOLME, JEREMIAH ..	Boro' Engineer, Blackpool.
1883 Feb. 6.	*WOOD, ARTHUR FRESCOTT ..	Waterworks, Shanghai, China.
1879 May 6.	WOOD, CHARLES .. ..	P. W. Office, Duuedin, N.Z.
‡ 1884 Feb. 5.	WOOD, JOHN MACKWORTH ..	New River Off., Clerkenwell, E.C.
1887 Dec. 6.	*WOOD, WALTER GUNNELL ..	P. W. D., Jhansi, N. W. P., India.
1884 Dec. 2.	*WOOD, WILLIAM .. ..	4 Wellington Rd., W. Norwood, S.E.
1893 Mar. 7.	WOODBURN, ALEXANDER, B.Sc. ..	Grindlay & Co., Calcutta.
1884 Dec. 2.	WOODHOUSE, ALFRED .. ..	1 Stow Hill, Newport, Mon.
1881 May 31.	*WOODS, JOHN .. ..	Roeland St., Cape Town, C.C.
1881 Dec. 6.	*WOODS, RICH'D. JOHN, B.E., F.C.H. ..	H. S. King & Co., 45 Pall Mall, S.W.
1887 Dec. 6.	WOODS, VINCENT SYDNEY ..	15 Carlyle Square, S.W.
1889 May 21.	*WOODSIDE, JOHN .. ..	King, King & Co., Bombay.
1893 Jan. 10.	*WOODWARD, ERN. A. BORAMAN ..	Boro' Engineer, Wolverhampton.
1891 Dec. 1	*WOODWARD, JOHN HAROLD ..	{ Electric Construction Corporation, Wolverhampton.
1893 Feb. 7.	*WOOLCOCK, JOSEPH HENRY ..	Rickerby House, St. Bees.
‡ 1892 Feb. 2.	*WORDINGHAM, CHAS. HY. ..	86 Trinity Rd., Upper Tooting, S.W.
1882 Feb. 7.	*WORGES, DOUGLAS FITZGERALD ..	WaterCo., Southwark Bridge Rd., S.E.
1892 Jan. 12.	WORMALD, JOHN .. ..	12 Creswell Gardens, S.W.

Date of  
Election.

## ASSOCIATE MEMBERS.

1886 Feb. 2.	WORSDELL, WILSON .. ..	N.E. Ry., Gateshead-on-Tyne.
1892 Feb. 2.	WORSOE, WILLIAM ADOLPHIE ..	C. N. Worsoe, Bergen, Norway.
1881 Feb. 1.	WORTH, JOHN EDWARD ..	Local Board, High Rd., Tottenham.
1889 Dec. 3.	WORTH, REGINALD TURNER ..	Whisterfield, Siddington, Cheshire.
S t ♫	1885 May 19.	WORTHINGTON, EDGAR, B.Sc..
	1889 Dec. 3.	WORTLEY, SAMUEL SHARPE ..
	1892 Mar. 1.	*WREATHALL, HARRY .. ..
	1887 May 3.	WREY, PHILIP B. SHERARD ..
	1884 Feb. 5.	*WRIGHT, FREDERICK ADLARD ..
	1886 Dec. 7.	*WRIGHT, HAROLD .. ..
	1888 Feb. 7.	WRIGHT, JOHN JAMES .. ..
	1890 Feb. 4.	WRIGHT, JOHN ROBERT MOSSE ..
t ♫	1883 Dec. 4.	WRIGHT, LEWIS THOMPSON ..
	1892 Mar. 1.	*WRIGHT, THOMAS .. ..
	1892 Jan. 12.	WRIXON, HENRY .. ..
	1890 May 6.	*WYATT, HENRY HERBERT ..
	1883 May 29.	*WYATT, JAMES WM., F.C.H. ..
	1878 May 7.	WYBROW, GEORGE DIGBY ..
	1890 Jan. 14.	*WYLIE, GEORGE, F.C.H. ..
	1866 Feb. 6.	WYNDHAM, HENRY .. ..
	1861 Feb. 5.	WYNNE, ALBERT AUGUSTUS ..
	1871 Feb. 7.	*WYNNE, FRANCIS GEORGE ..
	1892 Mar. 1.	*WYNNE, HENRY EDWARD ..
	1887 Dec. 6.	WYNNE, JOHN THOMAS .. ..
	1891 Dec. 1.	WYNNE, THOMAS TRAFFORD ..
	1888 Feb. 7.	*WYNNE-EDWARDS, HUGH COPNER ..
	1889 Dec. 3.	*WYNTER, GERALD MERRETT ..
	1881 May 3.	WYRILL, RALPH HENRY .. ..
	1890 Dec. 2.	WYSE, ROBERT ANDERSON ..
	1879 Mar. 4.	YABBICOM, THOMAS HENRY ..
	1887 Feb. 1.	*YATES, FRED SPENCER ..
	1884 Dec. 2.	YATES, OSWALD VAVASOUR ..
	1891 Dec. 1.	YORK, FRANCIS COLIN ..
	1892 Jan. 12.	YOUNG, EDWARD HERBERT ..
	1891 May 12.	*YOUNG, EVELYN HENRY ..
	1889 Mar. 5.	YOUNG, HENRY WILLIAM ..
	1882 Feb. 7.	*YOUNG, JULES DENT ..
	1889 Mar. 5.	YOUNG, ROBERT AUSTIN ..
	1889 May 21.	YOUNG, ROBERT GEORGE ..
	1892 Apr. 5.	YOUNG, WILLIAM CHRISTOPHER ..
	1882 Dec. 5.	YOUNGER, THOMAS BROWN ..
	1871 Apr. 4.	YUILL, WILLIAM .. ..
	1884 Mar. 4.	ZACHARIASEN, LARS SEVERIN ..
	1890 Dec. 2.	ZANETTI, CESARE .. ..
		57 Charing Cross, S.W.
		22 Via dei Fiori, Turin, Italy.
	Total number of Associate Members	.. 3,424.

ASSOCIATES.

[Assoc. Inst. C.E.]

**N.B.** Those elected prior to the 2nd of December, 1878, are entitled to the privileges of Corporate Membership, but not those subsequently elected.

Date of Election.	ASSOCIATES.	
1861 May 28.	ABEL, CHARLES DENTON .. .. { 28 Southptn. Bds., Chancery La., W.C. (Patentable, London. 2729.)	
1888 Apr. 10.	ACLAND, <i>Capt.</i> FRANCIS EDWD. { 22 Cheyne Gardens, S.W. { DYKE, <i>late</i> R.A. .. .. ..	
† 1865 Jan. 10.	ADAMS, WILLIAM ALEXANDER Gaines, Worcester.	
1859 Dec. 6.	AIRD, JOHN, M.P. .. .. .. { 37 Great George Street, S.W. (Loco. 1886 Dec. 7.	AIRD, JOHN, Jun. .. .. .. } London. 3061.)
1883 Dec. 4.	ALDRICH, ARTHUR STANHOPE.. Ry. Dept., Yokohama, Japan.	
1884 Mar. 4.	ANDREWS, JAMES .. .. .. Allegheny, Penn., U.S.	
1877 Apr. 10.	ANNETT, RICHD. CHAS. FRANCIS Municipal Offices, Liverpool.	
1866 Dec. 4.	ARDAGH, <i>Col.</i> JOHN CHAS., R.E. { Private Sec. to H.E. The Viceroy { C.B., C.I.E. .. .. .. Calcutta.	
1886 May 4.	ARMYTAGE, GEORGE JOHN .. Clifftou Woodhead, Brighouse.	
1876 May 2.	AVIGDOR, ELIM HENRY, D' .. 9 Victoria Street, S.W.	
1877 Dec. 4.	BACHE, ALFRED, B.A. .. .. .. 19 Victoria Street, S.W. (3264.)	
1889 Feb. 5.	BACK, FREDERICK .. .. .. Govt. Rys., Hobart, Tasmania.	
1869 Apr. 6.	BADGLEY, <i>Col.</i> WM. FRANCIS, B.S.C. Exmouth, Devon.	
1879 May 6.	BAIN, Dr. JNO. WM. DEVEREUX Clare, South Australia.	
1881 May 3.	BAIRD, <i>Lt.-Col.</i> ANDREW WILSON, { H.M. Mint, Calcutta. { R.E., F.R.S. .. .. ..	
1865 Feb. 7.	BARCLAY, CHARLES .. .. .. The Manor Ho., Bayford, Hertford.	
1891 May 5.	BARLING, JOSEPH .. .. .. Under Secy., P.W.D., Sydney, N.S.W.	
1889 Dec. 3.	BARNETT, GEO. ALFRED, C.I.E. G. I. P. Railway, Bombay.	
1868 May 5.	BARROSO, <i>Chevalier</i> ZOSIMO ..	
1885 Dec. 1.	BASTOS, JOSÉ JOAQUIM DE { Rio de Janeiro. { CARVALHO .. .. ..	
1882 Apr. 4.	BATE, <i>Capt.</i> CHAS. M'GUIRE, R.E. Horse Guards, Whitehall, S.W.	
1865 May 2.	BATTEN, JAMES BREND .. .. 32 Great George St., S.W. [Thames.	
1853 Dec. 6.	BAYLISS, JOHN .. .. .. Westergate House, Kingston-on-	
1864 Feb. 2.	BAYLISS, SAMUEL .. .. .. 5 Hanover Ter., Regent's Pk., N.W.	
1870 Feb. 1.	BECKETT, <i>Lt.-Col.</i> WM. HY. .. Grindlay's, 55 Parliament St., S.W.	
1868 Feb. 4.	BEHR, FRITZ BERNARD .. .. South End House, Twickenham, S.W.	
1878 Mar. 5.	BELLASIS, <i>Major</i> GEO. MONTALT, { H. S. King & Co., 45 Pall Mall, S.W. { B.S.C. .. .. ..	
1874 May 5.	BERREY, THOMAS HOPE GREEN Waterwks. Off., Town Hall, Manch'ter.	
1878 May 28.	BEVAN, Rev. JAS. OLIVER, M.A. Vicarage, Vowchurch, Hereford.	
T m † 1861 Dec. 3.	BIDDER, GEO. PARKER, M.A., Q.C. 3 Paper Buildings, Temple, E.C.	
1885 May 19.	BIRT, WILLIAM .. .. .. { G. E. Ry., Liverpool St. Station, E.C. { Eastman, London. 632.)	
1886 Dec. 7.	BIXBY, <i>Capt.</i> W. HERBT., U.S. Engs. U.S. Eng. Office, Newport, R.I., U.S.	
1891 Jan. 13.	BLISSETT, THOMAS .. .. .. 55 Parliament Street, S.W.	
T t † 1856 Dec. 2.	BOULTON, SAMUEL BAGSTER .. { 64 Cannon Street, E.C. (Burboul, London. 1547.)	
1892 Dec. 6.	BOUSFIELD, JOHN EBENEZER.. { 4 South Street, Finsbury, E.C. (In- vention, London.)	

Date of Election.	ASSOCIATES.
1881 Feb. 1	*BOSFIELD, Wm. ROBT., Q.C., M.P. 2 Crown Office Row, Temple, E.C.
†{1841 June 15.)	BOUTSTEAD, JOHN .. . . . 34 Craven Street, Strand, W.C.
{1867 Nov. 26.)	
1869 Feb. 2.	BOWDEN, JOHN .. . . . Ridgefield, Jno. Dalton St., Manchstr.
1887 Apr. 5.	{BOWMAN, FREDERICK HUNGER- FORD, D. Sc., F.R.S.E. .. . . . Asl Leigh, Ashley Heath, Bowdon, Cheshire.
‡ 1865 Feb. 7.	BRAND, JAMES .. . . . 172 Buchanan Street, Glasgow.
1882 Feb. 7.	{BRANDÃO, Comm. FRANCISCO DE PERRIA BUEÑO .. . . . Arsenal de Marinha, Rio de Janeiro.
1866 Dec. 4.	BRASSEY, Lord, K.C.B., D.C.L. 4 Great George Street, S.W. (3002.)
1877 Feb. 6.	BRIDGWOOD, Maj. SID. THOS., R.M.A. Army and Navy Club, S.W.
1869 Dec. 7.	BRISTOW, EBENEZER JOHN .. 1 Copthall Buildings, E.C.
1870 May 3.	{BROWN, Col. FRANCIS DAVID MILLETT, V.C. B.S.C. .. . . . 6 St. Aubyn's, Tiverton, Devon.
t † 1871 Dec. 5.	{BROWNE, Maj.-Gen. Sir JAMES, R.E., K.C.S.I., C.B. .. . . . Grindlay & Co., Calcutta.
1864 Feb. 2.	BROWNING, ARTHUR GIRAUD .. 16 Victoria St., S.W. (Friday, London.)
1852 Dec. 7.	BYRDGES, CHARLES JOHN .. Hudson Bay Co., Winnipeg, Canada.
1869 May 4.	BUNTON, JAMES CLARK .. . . . Anderston Foundry, Glasgow. (Afco.)
1886 Apr. 6.	BURT, JOHN MOWLEM .. . . . 19 Grosvenor Rd., S.W. [Glasgow.]
1872 Feb. 6.	BUTLER, JAMES WILLIAM .. Blyth Ho., Humber Rd., Blackheath.
1875 Dec. 7.	CAIL, RICHARD .. . . . Beaconsfield, Low Fell, Gateshead.
1876 Dec. 5.	{CALL, Lt.-Col. CHAS. FREDC., late R.E. .. . . . 7 Pelham Crescent, S.W.
1866 Dec. 4.	{CAPPEL, Sir ALBERT J. LEPPOC, K.C.I.E. .. . . . 27 Kensington Court Gardens, S.W.
‡ 1880 Feb. 3.	CAPPER, ROBERT .. . . . 18 Parliament St., S.W.
1885 Jan. 13.	CARD, HENRY .. . . . County Surveyor, Lewes.
1869 Apr. 6.	CARPMAEL, ARTHUR .. . . . 24 Southampton Bdg., W.C. (2608.)
1879 May 6.	CARPMAEL, EDWARD, B.A. .. {The Ivies, St. Julian's Farm Rd., Norwood, S.E.
1889 Apr. 2.	CARRUTHERS-WAIN, WM. JAS. Linden Lodge, Thornton Heath.
1855 May 1.	CARTER, RICHARD .. . . . Springbank, Harrogate.
1868 Apr. 7.	CASEBOURNE, CHAS. TOWNSHEND Cement Works, West Hartlepool.
1867 May 21.	CASTLE, EDWARD JAMES, Q.C. 8 King's Bench Walk, Temple, E.C.
1873 Feb. 4.	CASTLE, HENRY JAMES .. . . . 37 Bedford Row, W.C.
1865 May 23.	CAWKWELL, WILLIAM .. . . . Euston Station, N.W.
1865 Feb. 7.	CERERO, General RAFAEL Ingenieros del Ejercito, Madrid.
‡ 1854 May 23.	CHADWICK, DAVID .. . . . {36 Coleman Street, E.C. (Chad- wieks, Boardman, London. 190.)
T t † 1867 May 21.	CHANCE, JAMES TIMMINS, M.A. 51 Princes Gate, S.W.
1879 Mar. 4.	CLARK, MATEO .. . . . 9 New Broad Street, E.C. (1078.)
‡ 1865 Apr. 4.	{CLARKE, Lt.-Gen. Sir ANDREW, G.C.M.G., C.B., C.I.E., late R.E. .. . . . 42 Portland Place, W.
1872 Feb. 6.	CLEGHORN, JOHN .. . . . 3 Spring Gardens, S.W.
1840 Mar. 10.	CLUTTON, JOHN .. . . . 9 Whitehall Place, S.W.
1868 Apr. 7.	CLUTTON, ROBERT GEORGE .. . . . 9 Whitehall Place, S.W.
1867 Feb. 5.	COLBRON, JOSEPH PARKIN .. . . . 2 Osborne St., Cliftonville, Brighton.
1861 May 7.	{COLLINSON, M.-Gen. THOS. BER- NARD, late R.E. .. . . . Little Haven, Ealing, W.
1866 Dec. 4.	{CONWAY-GORDON, Col. LEWIS, C.I.E., late R.E. .. . . . Longley House, Rochester.
1876 May 2.	COOK, HENRY .. . . . Furness Ry., Barrow-in-Furness.
1883 Feb. 6.	COOMES, WM. HERON, Lt. R.N. H.M.S. "Indus," Devonport.
1885 May 5.	COPUS, GEORGE .. . . . Colne Valley Ry., Halstead.
1876 Dec. 5.	CORBETT, JOHN .. . . . Impney, Droitwich.
1859 Mar. 1.	CORRY, EDWARD .. . . . 9 New Broad Street, E.C.
1859 Dec. 6.	COTTAM, EDWARD .. . . . 12 The Avenue, Ealing, W.
1890 Apr. 1.	COWARD, EDWARD .. . . . Cotton Mills, Heaton Mersey, Lancs.
1842 Mar. 1.	COWLEY, JOSEPH GLASS .. . . . Canada.
1885 Dec. 1.	COX, EDMUND PENLEY .. . . . Pernambuco, Brazil.

Date of Election.	ASSOCIATES.	
1874 May 12.	CRAMPTON, THOS. HILLAS, B.A.	100 Eaton Place, S.W.
1879 Apr. 1.	CRESSWELL, JOHN .. ..	Moot Hall, Newcastle-on-Tyne.
1877 May 29.	CROFTON, EDWARD, M.A. ..	45 West Cromwell Road, S.W.
1884 May 27.	CROOKENDEN, ISAAC ADOLPHUS	{ East London Waterworks Co., 15A St. Helen's Place, E.C.
1890 Jan. 14.	CUBILLO, Major LEANDRO ..	Trubia, Spain.
† 1880 Jan. 13.	CUNNINGHAM, WILLIAM MARTIN	Goff's Oak, Herts.
T t † 1882 Dec. 5.	{ CUNNINGHAM, Lt.-Col. ALLAN J. C., late R.E. .. .. ..	19 Palace Gardens Terrace, W.
1848 Apr. 4.	CURREY, HENRY .. .. ..	37 Norfolk Street, Strand, W.C.
1882 May 2.	CUTBILL, WALTER JOHN CHAS.	37 Old Jewry, E.C.
1862 Dec. 2.	CUTLER, WILLIAM HENRY ..	Brunswick Ho., Clifton Gardens, W.
1891 Jan. 13.	DALLAS, Captain JAMES, R.E.	Military Works Dept., Bombay.
1881 Mar. 1.	DASH, THOMAS ALEXIS .. ..	{ Fari's Farm, Woodham Lock, Addle- stone, Surrey. [S.W.
1874 Dec. 1.	DAVIS, ALFRED .. .. ..	2 St. Ermin's Mansions, Westminster,
1883 Dec. 4.	DAWKINS, W. BOYD, M.A., F.R.S.	Woodhurst, Fallowfield, M'chester.
t † 1867 Dec. 3.	DELANO, WILLIAM HENRY ..	117 Quai de Valmy, Paris.
1874 Apr. 14.	DERWENT, Lord .. .. ..	Hackness Hall, Scarborough.
1877 Dec. 4.	DE RANCE, CHARLES EUGENE ..	Alderley Edge, Manchester.
1885 May 19.	DIXON, JOHN .. .. ..	Dock Office, Southampton.
1891 Dec. 1.	DONKIN, JOHN BLOYD .. ..	Union Club, Sydney, N.S.W.
1886 Jan. 12.	DOULTON, Sir HENRY .. ..	Lambeth Pottery, S.E.
1875 Apr. 6.	DOWDEN, Col. THOMAS F., R.E.	Cox & Co., Charing Cross, S.W.
1879 Dec. 2.	{ DRAKE-BROCKMAN, Lt.-Col. RALPH RHENIUS EVANS, R.E.	Tanjore, Madras Presidency.
1868 Dec. 1.	{ DUCAT, Col. WALTER MARDON, late R.E. .. .. .. ..	13 Devonshire Ter., Lancaster Gate,
1871 Feb. 7.	DUNLOP, ALEXANDER MILNE ..	[W. 3 Old Palace Yard, S.W.
1888 Dec. 4.	EDDY, EDWARD MILLER GARD	Chief Commr. for Rys., Sydney, N.S.W.
1866 Jan. 9.	{ EDGCOME, M.-Gen. WM. HENRY, late R.E. .. .. .. ..	Pinewood, Sunninghill.
1876 Dec. 5.	ELLIS, BASIL PYM .. .. ..	59 Belvedere Rd., Lambeth, S.E.
1857 Feb. 3.	EPSTEIN, LÉON .. .. ..	Warsaw, Poland.
1872 Dec. 3.	{ EVANS, Sir FRANCIS HENRY, K.C.M.G., M.P. .. .. ..	Tubbendens, Orpington, Kent.
L † 1859 Dec. 6.	{ EVANS, Sir JOHN, K.C.B., F.R.S., D.Sc. .. .. .. ..	Nash Mills, Hemel Hempstead.
1876 Dec. 5.	{ FAGAN, Maj. CHRISTOPHER SUL- LIVAN FELTRIM, R.M.L.I.	Burnett & Co., 123 Pall Mall, S.W.
1863 Feb. 4.	FAVIELL, WILLIAM FREDERICK	Sandhurst, Tunbridge Wells.
1863 Mar. 3.	FELL, JOHN BARRACLOUGH ..	68 Leyland Road, Southport.
1866 Jan. 9.	FENTON, Sir MYLES .. ..	S.E.Ry., London Bridge Station, S.E.
1877 Feb. 6.	FENWICK, GEORGE TOWNSEND	Forres Park, Trinidad.
1844 Apr. 2.	FERRIÈRES, The Baron Du Bois DE	Bayhill House, Cheltenham.
1864 May 1.	FIELD, SIDNEY .. .. .. ..	{ Ashfield Lodge, nr. Bury St. Ed- munds.
1877 Mar. 29.	FIREBRACE, Lt.-Col. FREDK., R.E.	Grindlay & Co., Calcutta.
1886 Dec. 7.	FLOYER, ERNEST AYSCOGHE ..	Cairo.
1865 Mar. 7.	FORBES, JAMES STAATS .. ..	L.C. & D. Ry., Victoria, S.W. (3170.
1852 May 4.	FORREST, JAMES (Secretary)	{ 25 Great George Street, S.W. (In- stitution, London. 3051.)
1871 Feb. 7.	FREEMAN, WILLIAM GEORGE	9 Great Queen Street, Westr., S.W.
1875 Jan. 12.	FRERE, Lt.-Col. R. TUDOR, R.E.	R.E. Office, Inverness, N.B.
1864 Feb. 2.	FURNESS, GEORGE .. .. ..	The Grange, Willesden Green, N.W.

Date of Election.	ASSOCIATES.	
† 1850 Mar. 5.	GALTON, <i>Capt. Sir</i> DOUGLAS, K.C.B., D.C.L., LL.D., F.R.S., <i>late R.E.</i> .. .. ..	12 Chester St., Grosvenor Pl., S.W.
1889 Feb. 5.	GARNETT, WILLIAM TERRELL .. .. ..	Undercliffe House, Bradford.
1876 Dec. 5.	GIBBS, WILLIAM HENRY .. .. ..	Cedars Estate, West Kensington.
1867 Mar. 5.	GILBERTSON, FRANCIS BRAMAH .. .. ..	{ 10 Hargreaves Buildings, Liverpool. (Gilbertson, Liverpool.)
1883 Jan. 9.	GODFREY, GEORGE BROWN .. .. ..	12 Victoria Street, S.W.
1878 Mar. 5.	GORDON, <i>Col.</i> E. SMITH, R.A. .. .. ..	Union Club, Brighton. [don.]
1868 Feb. 4.	GREENER, JOHN HENRY .. .. ..	15 Walbrook, E.C. (Occultness, Lou-
1877 May 29.	GRENVILLE, ROBERT NEVILLE .. .. ..	Butleigh Court, Glastonbury.
1878 Feb. 5.	GRIFFITHS, HENRY .. .. ..	3 Park Cres., Harlesden, N.W.
1872 Apr. 9.	GRINLINTON, JOHN JOSEPH .. .. ..	Colombo, Ceylon.
1879 Dec. 2.	GUEST, ARTHUR EDWARD .. .. ..	40 Halfmoon St., Piccadilly, W.
1872 May 7.	GÜMPEL, CHARLES GODFREY .. .. ..	{ 22 Christchurch Rd., Streatham
1874 Dec. 1.	GUNN, WILLIAM CECIL .. .. ..	Hill, S.W.
		7A Laurence Pountney Hill, E.C.
1878 Mar. 5.	HAMMOND, <i>Commr.</i> GEORGE CRISPIN, R.N. .. .. ..	5 Beacon Terrace, Falmouth.
1871 Dec. 5.	HARDING, JOSEPH RAKE .. .. ..	Local Board of Health, Epsom.
1866 May 15.	HARGROVE, JAMES SIDNEY .. .. ..	16 Victoria Street, S.W.
1887 Dec. 6.	{ HARRISON, <i>Lt.-Gen. Sir</i> R., R.E., K.C.B., C.M.G. .. .. ..	Government House, Devonport.
1875 Apr. 6.	HART, CHARLES FREDERICK .. .. ..	Devizes, Wilts.
1875 Feb. 2.	HART, JAMES .. .. ..	16 Philpot Lane, E.C.
1879 May 27.	HAWKINS, A. TEMPLETON, LL.D. .. .. ..	30 Budge Row, E.C. (1985.)
1858 Apr. 13.	HAWKINS, WILLIAM BAILEY .. .. ..	39 Lombard Street, E.C.
1872 Mar. 5.	HAYDON, <i>Lt.-Col.</i> WM. H., R.E. .. .. ..	102 Sydney Place, Bath.
1881 Dec. 6.	{ HEATHORN, <i>Capt.</i> T. BRIDGES, <i>late R.A.</i> .. .. ..	10 Wilton Pl., S.W. (Kamar, London.)
1855 Feb. 6.	HEDGER, PHILIP .. .. ..	22 East Park Ter., Southampton.
1869 Dec. 7.	HEWITT, ABRAM STEVENS .. .. ..	New York, U.S.
1851 Apr. 1.	HILL, JULIAN .. .. ..	8 Dean's Yard, Westminster, S.W.
1885 Dec. 1.	HILL, VINCENT WALKER .. .. ..	Hull and Barnsley Railway, Hull.
1876 Jan. 11.	{ HIME, <i>Lt.-Col.</i> ALBERT HENRY, C.M.G., <i>late R.E.</i> .. .. ..	Maritzburg, Natal.
1878 Feb. 5.	HODGES, WILLIAM HENRY .. .. ..	Midland Railway, Derby.
1876 May 30.	HODGSON, HENRY TYLSTON .. .. ..	Harpden, Herts. [de Janeiro.]
1868 Dec. 1.	HOLGATE, JOHN THOMAS .. .. ..	176 Rua do Riachuelo, Caixa 457, Rio
1881 Mar. 1.	HOLLINGS, JAMES SPENCER .. .. ..	Richmond Hill, Montserrat, W. I.
1877 Mar. 6.	HOLME, ARTHUR HILL .. .. ..	{ Delfield, Aigburth, near Liverpool. (Holme, Liverpool.)
† 1886 Feb. 2.	HOPE, WILLIAM .. .. ..	10 Blackstock St., Liverpool.
1867 Dec. 3.	HOWARD, JOHN .. .. ..	Hill House, Herne Hill, S.E.
1873 Feb. 4.	HUGHES, HENRY .. .. ..	85 Gracechurch Street, E.C. (Fuse,
1862 Jan. 14.	HUNT, HENRY ARTHUR .. .. ..	45 Parliament St., S.W. [London.]
1865 Apr. 4.	HUTCHINSON, ALFRED .. .. ..	62 Highbury Park, N.
1874 Mar. 3.	{ HUTCHINSON, <i>M.-Gen.</i> C. SCROPE, C.B., <i>late R.E.</i> .. .. ..	8 Richmond Ter., Whitehall, S.W.
1858 Dec. 7.	ISAACS, LEWIS HENRY .. .. ..	3 Verulam Bldgs., Gray's Inn, W.C.
1879 Feb. 4.	IZARD, FRANCIS HENRY .. .. ..	Lion Lodge, Old Steyne, Brighton.
1887 May 3.	JACKSON, JOHN .. .. ..	3 Victoria Street, S.W.
1876 Feb. 1.	JACOB, <i>Col.</i> SAM. SWINTON, C.I.E. .. .. ..	Jeypore, Rajputana, India.
1866 Feb. 6.	JAMES, FREDERICK .. .. ..	48 Tregunter Rd., Brompton, S.W.
1876 Dec. 5.	JAMES, JOHN WILLIAM .. .. ..	{ J. Hunter, Wynyard Sq., Sydney, N.S.W.

Date of  
Election.

## ASSOCIATES.

1891 Dec. 1.	{ JARENTZEFF, DMITRI THEODOR, L.R.N. .. .. .. .. }	Inspector-General, Admiralty, St. Petersburg.
1876 Apr. 4.	JEFFERIES, THOMAS .. .. .. ..	Newbay, Wexford.
1857 Feb. 3.	{ JEROVIS, Lt.-Gen. Sir Wm. FRAS. DRUMMOND, G.C.M.G., C.B., F.R.S., <i>late</i> R.E. .. .. .. .. }	Merlewood, Virginia Water.
1865 May 2.	JOHNSON, JOHN HENRY .. .. .. ..	47 Lincoln's Inn Fields, W.C. (2646.)
1866 Dec. 4.	JOHNSON, JOHN THEWLIS .. .. .. ..	Bradford Ironworks, Manchester.
1887 Dec. 6.	JORDAN, WILLIAM LEIGHTON .. .. .. ..	25 Jermyn Street, S.W.
1873 Mar. 4.	JOSEPH, Lt.-Col. F.R.Wm., B.S.C. .. .. .. ..	Dep. Constg. Eng. for Rys., Calcutta.

1862 Jan. 14.	KEELING, HERBERT HOWARD .. .. .. ..	Merlewood, Eltham, Kent.
1870 May 3.	KENDREW, JOHN ANTHONY .. .. .. ..	The Ollards, Reepham, nr. Norwich.
1857 Jan. 13.	KENNARD, HOWARD JOHN .. .. .. ..	20 Hyde Park Terrace, W.
1885 Dec. 1.	KERNOT, Prof. Wm. CHARLES .. .. .. ..	University, Melbourne, Victoria.

1871 Dec. 5.	LAMBERT, EDWARD TILEY, B.A. .. .. .. ..	Telham Court, Battle.
1884 Dec. 2.	LASS, ALFRED .. .. .. ..	30 Gracechurch Street, E.C.
1869 Dec. 7.	LAURENCE, EDWIN, B.A., LL.B. .. .. .. ..	10 Kensington Palace Gardens, W.
1861 Mar. 5.	LEE, JOHN COCKBURN FRANCIS .. .. .. ..	9 Park Crescent, Portland Pl., W.
1888 May 15.	LEWIS, HENRY FREDERICK WM. .. .. .. ..	48 Sydenham Road, Croydon.
1877 May 29.	{ LIMA, Capt. PEDRO BENJ. DE CERQUEIRA, <i>Imp. Braz. Navy</i> .. .. .. ..	74 Rua da Quitanda, Rio de Janeiro
1881 Feb. 1.	{ LINGARD-MONK, RICHARD BOUGHEY MONK .. .. .. ..	M. S. and L. Ry., Manchester.
1877 May 1.	{ LITTLER, RALPH DL. MAKIN- SON, C.B., Q.C. .. .. .. ..	4 Temple Gardens, E.C. (3148.)
1876 May 2.	LLOYD, GEORGE BRAITHWAITE .. .. .. ..	Edgbaston Grove, Birmingham.
1883 Dec. 4.	LORIMER, WILLIAM .. .. .. ..	Glasgow Loco. Works, Glasgow.
1866 Mar. 6.	LOUTTIT, SAMUEL HENRY .. .. .. ..	Lambeth Waterworks, Brixton Hill.
1865 Mar. 7.	LOVATT, HENRY .. .. .. ..	Darlington Street, Wolverhampton.
T ♫ 1819 Apr. 3.	LOVELACE, the Earl of, F.R.S. .. .. .. ..	East Horsley Park, Ripley, Surrey.
1867 Mar. 5.	LOWE, CHARLES HARLOWE .. .. .. ..	Vestry Hall, Haverstock Hill, N.W.
1879 Dec. 2.	LUCAS, ARTHUR CHARLES .. .. .. ..	37 Great George Street, S.W. (Loco.
1864 Dec. 6.	LUCAS, CHARLES THOMAS .. .. .. ..	London. 3061.)
1864 Dec. 6.	LUCAS, Sir THOMAS, Bart. .. .. .. ..	60 Finborough Rd., Kensington, S.W.

1893 Jan. 10.	MACAULAY, FREDERIC JULIUS .. .. .. ..	L. & S.W.Ry., Waterloo Bridge, S.E.
1880 Mar. 2.	{ McCALLUM, Maj. HY. EDWD., R.E., C.M.G. .. .. .. ..	Singapore, S.S.
1890 Dec. 2.	McCORMICK, JOHN .. .. .. ..	{ N. M. & Agency Co. of N.Z. Melbourne, Victoria.
1873 Jan. 14.	MACKAY, JOHN .. .. .. ..	South Bank, Hereford.
1881 Dec. 6.	{ McILWRAITH, Sir THOMAS, K.C.M.G., LL.D. .. .. .. ..	Brisbane, Queensland.
1851 Jan. 21.	{ McKERLIE, Col. Sir JOHN GRAHAM, K.C.B., <i>late</i> R.E. .. .. .. ..	9 Clifton Ter., Monkstown, Dublin.
1865 Dec. 5.	{ McMURDO, General Sir Wm. MONTAGU SCOTT, G.C.B. .. .. .. ..	18 Melbury Road, Kensington, W.
1872 Dec. 3.	{ McNAIR, Major JOHN FREDK. ADOLPHUS, R.A., C.M.G. .. .. .. ..	Scotia, Preston Park, Brighton.
1868 Apr. 7.	{ MACKWORTH, Col. Sir ARTHUR WILLIAM, Bart., R.E. .. .. .. ..	South Camp, Aldershot.
1888 May 15.	{ MANN, Maj.-Gen. JAMES ROBT., C.M.G., <i>late</i> R.E. .. .. .. ..	120 Cromwell Road, S.W.
1865 Feb. 7.	{ MAPPIN, Sir FREDK. THORPE, Bart., M.P. .. .. .. ..	33 Prince's Gate, S.W.
1889 Jan. 8.	MARGETTS, WILLIAM GEORGE .. .. .. ..	Ring's Hill Lodge, nr. Rochester.

Date of  
Election.

## ASSOCIATES.

1864 Apr. 5.	MARTIN, SAMUEL GARLICK ..	Little Morskoi 19, St. Petersburg. (Martin, Petersburg.) [W.C.]
1892 Dec. 6.	*MARTIN, WILLIAM, B.A., Wh.Sc.	Patent Office, Southampton Bldgs..
‡ 1857 Mar. 3.	{ MARTINDALE, Col. BEN HAY, C.B., late R.E. .. .. ..	Overfield, Bickley, Kent.
1880 Dec. 7.	MATTHEY, GEORGE, F.R.S. ..	75 Hatton Garden, E.C.
1859 Apr. 5.	MEREDITH, JOHN BULT ..	College Wharf, Belvedere Road, S.E.
1856 Mar. 4.	METFORD, WILLIAM ELLIS ..	Elm Lane, Upper Redland, Bristol.
1882 Dec. 5.	MEYER, HENRY CODDINGTON ..	277 Pearl St., New York, U.S.
1877 Apr. 10.	MIDDLETON, JOHN THOMAS ..	Drayton House, near Daventry.
1874 Dec. 1.	MILLER, Col. J. FRAS. JAS., B.S.C.	Watson & Co., 27 Leadenhall St., E.C.
1879 Apr. 1.	MILLYARD, JOHN WILLIAM ..	Littlebridge, Bromyard, Worcester.
1879 May 27.	MOBERLY, GEORGE ERNEST ..	Orwell Works, Ipswich.
1841 June 8.	MORAWSKI, ADALBERT ..	Poland.
1887 Dec. 6.	MORGAN, JOSEPH BOND ..	Stand Ho., Childdwall, nr. Liverpool.
1879 May 27.	MORRIS, JAMES .. .. ..	Dean Lane, Bombay. [pool.]
III 1873 May 20.	*MORT, FREDERICK HARRY ..	Higher Lodge, Lodge Lane, Liver-
1883 May 1.	MOUTON, JOHN FLETCHER, Q.C.	57 Onslow Square, S.W.
1877 May 1.	MOUSLEY, JAMES ALFRED ..	Fernbrook, Pangbourne, Berks.
1879 May 6.	MOUSLEY, WILLIAM THOMAS ..	Fair Oak House, Rugeley, Staffs.
1850 Apr. 2.	MUNDAY, GEORGE JAMES ..	8 Savage Gardens, Tower Hill, E.C.
1879 Dec. 2.	{ NEWMARCH, Maj.-Gen. GEORGE, late R.E. .. .. .. ..	87 Lansdowne Place, Brighton.
1879 Feb. 4.	NEWTON, FRANCIS MURRAY ..	Barton Grange, Taunton.
1878 Mar. 5.	NEWTON, GEORGE BOLLAND ..	N. L. Ry., Euston Stat., N.W.
1872 Dec. 3.	{ NICHOLSON, Col. W. GUSTAVUS, C.B., R.E. .. .. .. ..	Army Headquarters, Simla, India.
1878 Feb. 5.	NOTMAN, HENRY WILKES ..	Cholmley Lodge, West End, Kilburn, N.W.
1866 Mar. 6.	OAKLEY, Sir HENRY .. ..	G. N. Ry., King's Cross, N.
T t ‡ 1866 Feb. 6.	{ O'CONNELL, Maj.-Gen. PET., PIERCE LYONS, late R.E. ..	Batterdown View, Cheltenham.
1868 Mar. 3.	OGILVIE, PATRICK .. ..	Hambledon, Hants.
‡ 1878 Feb. 5.	OGSTON, GEORGE HENRY ..	39 Lime Street, E.C.
1883 Feb. 6.	OLIVIER, Maj.Hy. DACRES, R.E.	Grindlay, Groom & Co., Bombay.

1872 Apr. 9.	PAGET, BERKELEY .. ..	2 Laurence Pountney Hill, E.C.
1891 May 12.	PAGET, GEORGE ERNEST ..	Sutton Bonington, Loughborough.
1877 Jan. 16.	PAIN, COARD SQUAREY ..	14 North John Street, Liverpool.
1874 Apr. 14.	{ PALMER, Sir CHARLES MARK, Bart., M.P. .. .. ..	51 Grosvenor Square, W.
1891 Feb. 3.	{ *PAUL, ERNEST MONCREIFF, Lieut. R.E. .. .. ..	12 Lansdowne Cres., Notting Hill, W.
1872 Dec. 3.	PAYNE, ALEXANDER .. ..	Norfolk Ho., Victoria Embankment,
1869 Dec. 7.	{ PEASE, Sir JOS. WHITWELL, Bart., M.P. .. .. ..	[W.C.] Hutton Hall, Guisborough.
1876 May 30.	{ PEILE, Lt.-Gen. FRED. WESTON, late R.E. .. .. ..	Broomhill, Inverness, N.B.
1876 Feb. 1.	{ PEMBERTON, Maj.-Gen. ROBERT, CHAS. BOILEAU, late R.E. ..	75 West Cromwell Road, S.W.
1844 Mar. 5.	PEPPER, JOHN HENRY ..	Wren Nest, Woodsetton, Dudley.
1878 Mar. 5.	PERKS, ROBERT WILLIAM, M.P.	Claverley, Lubbock Rd., Chislehurst.
1888 Dec. 4.	PERRY, WILLIAM ALFRED ..	Henry K. Worthington, New York,
1885 Apr. 14.	PESTONJEE, NOWROJEE ..	Ahmedabad, India. [U.S.]
T t ‡ 1860 Mar. 6.	PHILLIPS, JOSEPH .. ..	Forfar & Brechin Ry., Brechin, N.B.
1862 Mar. 4.	PICKERING, JOHN .. ..	110 Lexham Gds., Cromwell Rd., S.W.
1871 Feb. 7.	PIDGEON, DANIEL .. ..	The Long House, Leatherhead.

Date of  
Election.

## ASSOCIATES.

1819 Apr.	3.	PIPER, WILLIAM .. . .	Beechwood, Highgate, N.	
1871 Dec.	5.	*POCOCK, GEORGE PULLIN ..	98 Elgin Avenue, St. Peter's Pk., W.	
1869 Dec.	7.	{ POLLARD, <i>Lt.-Gen.</i> CHARLES, <i>late R.E.</i> .. . . .}	11 Hanover Ter., Ladbroke Sq., W.	
1850 Dec.	3.	PORTER, JOHN HENDERSON ..	{ 165 Queen Victoria Street, E.C. (Aquarius, London.)	
T t ♫	1869 Dec.	7.	PRESTWICH, <i>Prof.</i> JOS., M.A., F.R.S.	Shoreham, Sevenoaks, Kent.
	1872 Jan.	9.	PYE-SMITH, ARTHUR .. . .	St. Pancras Ironworks, N.W.
1891 Mar.	3.	RADCLIFFE, ALEX. NELSON ..	{ 20 Craven St., Strand, W.C. (Drac- liffe, London. 2505).	
1883 Dec.	4.	RANDALL, JOSEPH .. . .	Warren Lane Works, Woolwich.	
1874 Dec.	1.	RAWLINS, JOHN .. . .	The Birches, Saltley, Birmingham.	
1892 Jan.	12.	REDWOOD, BOVERTON, F.R.S.E.	4 Bishopsgate St. Within, E.C.	
T t ♫	1872 Feb.	6.	REDGRAVE, GILBERT RICHARD ..	Grove Lodge, Muswell Hill, N.
	1859 Feb.	1.	REID, JAMES .. . . .	12 Wharf Road, City Road, N.
	1872 May	7.	*REYNOLDS, THOMAS .. . .	18 St. Swithin's Lane, E.C.
	1870 Mar.	1.	{ RICARDE-SEAVIER, <i>Maj.</i> FRANCIS IGNACIO, F.R.S.E. .. . }	
T t ♫	1871 Feb.	7.	RICKMAN, THOMAS MILLER ..	8 Montague St., Russell Square, W.C.
	1856 Mar.	4.	RIDLEY, THOMAS DAWSON ..	Coatham, Redcar.
	1891 Dec.	1.	ROBERTS, ROBERT .. . .	Overleigh, Hough Green, Chester.
	1874 Feb.	3.	ROBERTS, WILLIAM HENRY ..	Holbrough Court, Rochester.
T ♫	1868 Apr.	7.	ROBINSON, FRANCIS WILLIAM ..	44 Acacia Rd., St. John's Wood, N.W.
	1849 Mar.	6.	ROBINSON, HENRY .. . .	Riga. [House, Bristol.
	1893 Apr.	11.	ROBINSON, JAMES CLIFTON ..	Imperial Tramways Co., Clare Street
	1859 May	3.	ROBINSON, JOHN .. . .	7 Middle Scotland Yard, S.W.
	1884 Jan.	8.	ROCH, THOMAS JAMES .. . .	1 Queensberry Place, S.W.
	1885 Jan.	13.	ROCK, JAMES .. . . .	9 South Hill Pk. Gds., Hampstead.
	1875 Mar.	2.	ROGERTON, JOHN .. . .	Croxdale Hall, Durham.
	1856 Apr.	1.	ROSSER, WILLIAM .. . .	Rhydyrhelig, Sketty, nr. Swansea.
	1868 May	5.	RYDON, HORACE JAMES .. .	1 Petherton Rd., Highbury New Pk., N.
1865 Jan.	10.	SAID, <i>Colonel</i> , PACHA .. .	Constantinople.	
1840 June	2.	SALE, <i>Col.</i> THOS. HY., <i>late R.E.</i> ..	90 Gloucester Ter., Hyde Park, W.	
1882 May	23.	{ SALOMONS, <i>Sir</i> DAVID LIONEL, Bart. .. . . .}	49 Grosvenor Street, W.	
		{ SANFORD, <i>Maj.-Gen.</i> GEO. EDW. LANGHAM, SOMERSET, R.E., C.B., C.S.I. .. . . .}	Army Head Quarters, Simla, India.	
	1880 May	25.	{ SANKEY, <i>Lt.-Gen.</i> <i>Sir</i> RICHARD H., K.C.B., <i>late R.E.</i> .. .}	68 Merrion Square, Dublin.
	1884 Jan.	8.	{ SARGEANT, <i>Lt.-Col.</i> RICHARD ARTHUR, R.E. .. . . .}	Director-General of Rys., Simla, India.
T ♫	1841 Feb.	9.	SCHAFFHAETL, CHARLES, M.D. ..	Munich.
	1888 Feb.	7.	{ SCOTT, <i>Maj.-Gen.</i> ALEXANDER DE COURCY, <i>late R.E.</i> .. .}	86 Cornwall Gardens, S.W.
	1865 Dec.	5.	SCOTT, ARCHIBALD .. . .	L. & S.W. Ry., Waterloo Rd., S.E.
	1883 Mar.	6.	{ SCOTT, <i>Maj.</i> BUCHANAN, R.E., C.I.E. .. . . .}	Grindlay's, 55 Parliament St., S.W.
	1868 May	5.	{ SCOTT-MONCRIEFF, <i>Col.</i> <i>Sir</i> COLIN CAMPBELL, K.C.M.G., C.S.I., <i>late R.E.</i> .. . .}	East India U.S. Club, St. James's Square, S.W.
	1892 Dec.	6.	{ SCOTT-MONCRIEFF, <i>Capt.</i> GEO. KENNETH, R.E. .. . . .}	Brompton Barracks, Chatham.
	1887 Dec.	6.	SCRATCHLEY, PHILIP ARTHUR, M.A. ..	17 Victoria Street, S.W.
	1878 Feb.	5.	SEWELL, WILLIAM .. . .	Campbell House, Higham Ferrers.
	1861 Mar.	5.	SICH, HENRY WYNDHAM ..	Chilston Rd., Tunbridge Wells.
	1861 Feb.	5.	SILVER, <i>Col.</i> HUGH ADAMS ..	Abbey Lodge, Chislehurst.
	1869 May	11.	SIMONS, HENRY MINCHIN ..	39 Lime Street, E.C.
	1853 Jan.	11.	SINCLAIR, ARTHUR .. . .	St. Helens, Lancashire. [Alban's.
	1875 Apr.	6.	SMITH, CHARLES .. . .	Dr. Gilbert, F.R.S., Harpenden, St.

Date of Election.	ASSOCIATES.	
1888 Apr. 10.	SMITH, JOSEPH HENRY .. ..	Ry. Commis., Adelaide, S. Australia.
1873 Mar. 4.	SPEAKMAN, RICHARD EDWARD .. ..	Doddington Park, Nantwich.
1885 May 19.	SPEIGHT, RICHARD .. ..	Ry. Dept., Melbourne, Victoria.
1878 Mar. 5.	SPENCER, SAMUEL .. ..	{ 14 Great St. Thomas Apostle, E.C. (Tubes, London.)
† 1879 Mar. 4.	SQUIRE, JOHN BARRET .. ..	297 Clapham Road, S.W.
1862 Jan. 14.	STALBRIDGE, Lord .. ..	12 Upper Brook Street, W.
1836 Mar. 1.	STEPHENSON, Sir R. MACDONALD .. ..	Holmfeld, Rusthall, Tunbridge Wells.
1871 Mar. 7.	STERNE, LOUIS .. ..	{ 28 Victoria Street, S.W. (Elsterne, London. 306G.)
1874 Apr. 14.	STEWART, GILBERT MACLEOD .. ..	9 Bridge Street, Westminster, S.W.
1869 Mar. 2.	{ STEWART, Maj.-Gen. JOHN HERON MAXWELL SHAW, late R.E., F.R.S.E. .. ..	61 Lancaster Gate, W.
1863 May 19.	STIFFE, Capt. ARTHUR WILLIAM .. ..	73 Warwick Rd., Earl's Court, S.W.
1875 Jan. 12.	{ STOKES, Lt.-Gen. Sir JOHN, K.C.B., late R.E. .. ..	{ 13 Telford Avenue, Streatham Hill, S.W.
1871 Dec. 5.	{ STOTHERD, Maj.-Gen. RICHARD HUGH, C.B., late R.E. .. ..	Heathcote, Camberley, Farnboro'.
1876 Feb. 1.	STREET, WILLIAM CHARLES .. ..	7 Victoria Street, S.W.
† 1862 May 6.	SUGG, WILLIAM THOMAS .. ..	Regency St., Westminster, S.W.
1879 Feb. 4.	SUMNER, GEORGE HARLOWE .. ..	14 Belgrave Rd., Abbey Rd., N.W.
1878 Mar. 5.	SWAN, HUGH HENRY .. ..	10 Gordon Road, Roath, Cardiff.
1868 Mar. 3.	SWARBRICK, SAMUEL .. ..	The Cedars, The Green, Tottenham.
		[Mitcham.
1883 Jan. 9.	THEOBALD, JOHN WILSON .. ..	Woodlands, Beddington Lane, nr.
1879 Apr. 1.	{ *THOMPSON, Sir THOMAS RAIKES, Burt. .. ..	Junior Carlton Club, Pall Mall, S.W.
1859 May 3.	THOMSON, JOHN .. ..	Clutha, Culverden Pk., Tunbridge
1860 Jan. 10.	TOPHAM, JOHN .. ..	Ripley, Derbyshire. [Wells.
1880 Jan. 13.	TOPHAM, WILLIAM HAMPSON .. ..	2 Great George Street, S.W.
1874 May 12.	TOPLEY, WILLIAM, F.R.S. .. ..	28 Jermyn Street, S.W. [U.S.
1888 Mar. 6.	TRAUTWINE, JN. CRESSON, JUN. .. ..	3,301 Haverford St., Philadelphia,
T † 1838 May 8.	{ TREMENHEERE, Maj.-Gen. GEO. BORLASE, late R.E. .. ..	Spring Grove, Isleworth.
1884 Apr. 1.	{ TRESIDDER, Capt. TOLMIE JOHN, C.M.G., late R.E. .. ..	Atlas Works, Sheffield.
1873 Mar. 4.	{ TREVOR, M.-Gen. JOHN SALUS- BURY, C.S.I., late R.E. .. ..	75 Ladbroke Road, Notting Hill, W.
1885 Dec. 1.	TURNER, SAMUEL LUCAS .. ..	79 Tierney Rd., Streatham Hill, S.W.
1861 Mar. 5.	TYER, EDWARD .. ..	Ashwin Street, Dalston, E.
T t † 1853 May 3.	{ TYLER, Captain Sir HENRY WHATLEY, late R.E. .. ..	Pymmes Park, Edmonton.
1868 Mar. 3.	VICKERS, ALBERT .. ..	28 Victoria Street, S.W.
1869 Dec. 7.	VIGERS, ROBERT .. ..	4 Frederick's Pl., Old Jewry, E.C.(75.)
1862 Dec. 2.	WADDINGTON, JOHN .. ..	35 King William Street, E.C. (1518.)
1868 Apr. 7.	WALLIS, JAMES JOHN .. ..	Sutton Lodge, West Molesay, Surrey.
1879 May 27.	WARNER, ROBERT .. ..	{ Crescent Foundry, Cripplegate, E.C. (Big Ben, London.)
1866 Apr. 10.	{ WARREN, Maj.-Gen. Sir CHAS., R.E., G.C.M.G., K.C.B., F.R.S. .. ..	44 St. George's Road, S.W.
1889 Jan. 8.	WATSON, CHARLES HUBBACK .. ..	Johnson & Co., Greenhithe, Kent.
1884 Dec. 2.	WATSON, WILLIAM .. ..	{ 25 Fitzwilliam Pl., Dublin. (Watson, Dublin.)
1867 May 7.	WAUGH, HENRY .. ..	Watcombe, Summertown, Oxford.
1871 Feb. 7.	WAUGH, JOHN .. ..	{ Sunbridge Chambers, Bradford, (Boiler, Bradford. 72.)
1883 Dec. 4.	WEBSTER, Sir RICH.E., Q.C., M.P. .. ..	Hornton Lodge, Hornton Street, W.

Date of Election.	ASSOCIATES.	
1887 May 3.	WEMYSS, RANDOLPH GORDON ERSKINE .. .. ..	Wemyss Castle, Fife, N.B.
1866 May 1.	WESLEY, MATTHIAS ERASMIUS..	4 Norland Pl., Notting Hill, W.
1879 May 6.	WESTERN, <i>Lt.-Col.</i> JAS. HALIFAX, C.M.G., <i>late</i> R.E. .. .. ..	6 Chepstow Rise, Croydon.
1885 Feb. 3.	WHITAKER, WM., B.A., F.R.S.	33 East Park Ter., Southampton.
1872 Apr. 9.	WHITE, FREDERICK ANTHONY ..	2 Lime Street Square, E.C. (4233.)
T † 1838 Mar. 15.	WHITE, GEORGE FREDERICK ..	1 Porchester Gate, Hyde Park, W.
1872 Apr. 9.	WHITE, LEEDHAM .. .. ..	2 Lime Street Square, E.C. (4233.)
1874 Dec. 1.	WILDE, SAMUEL JOHN .. .. ..	10 Serjeants' Inn, Fleet Street, E.C.
1875 May 4.	*WILLIAMS, CHARLES STROUD ..	Norman & Stacey, 118 Qn. Victoria St.,
1869 May 11.	WILLIAMS, JAMES .. .. ..	Midland Railway, Derby. [E.C.]
1888 Dec. 4.	WILLCOX, BENJAMIN .. .. ..	47 Lincoln's Inn Fields, W.C.
1874 Apr. 14.	WILSON, ALEXANDER .. .. ..	Cyclops Works, Sheffield.
1872 Apr. 9.	WISE, WILLIAM LLOYD .. .. ..	{ 46 Lincoln's Inn Fields, W.C. (Lloyd Wise, London. 2766.)
1877 Dec. 4.	WOODHEAD, WILLIAM BOOTH ..	65 Market Street, Bradford.
1876 May 2.	WOODHOUSE, THOMAS WALTER ..	35 & 36 Red Lion Square, W.C.
1874 Mar. 3.	WOODS, ARTHUR .. .. ..	1 Drapers Gds., Throgmorton St., E.C.
1865 Dec. 5.	WOOLCOTT, GEORGE .. .. ..	78 Palace Gdns. Ter., Kensington, W.
1886 Apr. 6.	{ WRIGHT, Major JOHN THOMAS, <i>late</i> R.E. .. .. ..	
1857 May 19.	WRIGHT, JOSEPH .. .. ..	1 Camborne Ter., Lower Rd., Rich-
1879 Feb. 4.	WYATT, WILLIAM .. .. ..	Severn Bank, Shrewsbury. [mond.]
1852 Dec. 5.	YERBURGH, JOHN EARDLEY ..	21 Queen Anne's Gate, S.W.
1873 May 6.	YORK, OLIVER .. .. ..	10 Via Venezia, Florence.
1886 Feb. 2.	{ YOUNG, Major CARMICHAEL LIGHT, R.E. .. .. ..	Sunnyside, Cheltenham.
1891 Dec. 1.	YOUNG, JOHN PRATT .. .. ..	King's Heath, Birmingham.
1877 Feb. 6.	YOUNG, SEPTIMUS .. .. ..	5 Victoria Street, S.W.

Total number of Associates .. .. 373.

## S T U D E N T S.

[Stud. Inst. C.E.]

Date of Admission.	STUDENTS.	
1892 Jan. 26.	AEBOTT, JOHN HALLEN ABBOTT ..	39 Selhurst Rd., S. Norwood, S.E.
1891 Nov. 9.	ACTON, EDWARD VINCENT ..	43 St. Charles Square, W.
1888 Nov. 13.	ADAMS, GEORGE FRANCIS ..	{ North's Navigation Collieries, Maesteg, Glamorgan.
1891 Dec. 8.	ADAMS, HENRY CHARLES ..	60 Queen Victoria St., E.C.
1892 Apr. 5.	ADAMS, H. REGNIER CAMPBELL ..	8 Sheppard Street, Swindon.
1892 Jan. 26.	ADDISCOTT, RICHARD JOHN ..	9 Greenbank Av., Lipson, Plymouth.
1891 Nov. 24.	ADLER, H. GEORGE VERGOTTINI ..	Box 455, Johannesburg, Transvaal.
1892 Nov. 22.	AERIA, DUNSTAN ALFRED ..	Pauper Hospital, Singapore. S.S.
1892 Feb. 23.	ALEXANDER, WILLIAM ..	167 St. Vincent St., Glasgow.
1890 Dec. 16.	ALLEN, GORDON .. ..	County Council, Spring Gardens, S.W.
1888 May 8.	ALLOTT, HENRY NEWMARCH ..	{ 46 Brown Street, Manchester. (Alotted, Manchester.)
1891 Nov. 9.	ALLUM, FREDERICK WARNER ..	So. Indian Ry., Mussoorie, India.
1889 Dec. 10.	ALTHAM, JESSE LIDDEL, B.Sc. ..	A. Altham, Tea Merchant, Burnley.
1893 Feb. 21.	ANDERSON, ATHOL LANCELOT ..	19 Cranbury Place, Southampton.
1887 Feb. 15.	ANDERSON, JOHN REID ..	The Cottage, Gibson's Hill, Norwood.
1890 May 13.	ANDERSON, NORTON PERCY ..	{ Tate & Co., 28 Market St., Melbourne, Victoria.
1889 Nov. 26.	ANDERSON, ROBERT HAY ..	Apartado 4, Guanajuato, Mexico.
1891 Jan. 27.	ANGUS, CHARLES SPENCE ..	Bidor Bridge, Teluk Anson, Perak.
1891 May 5.	ANTHONY, PHILIP ARNOLD ..	Woodland Terrace, Plymouth. [S.S.
1890 Apr. 20.	ANZORENA, ELISEO .. ..	9 de Julio 45, Mendoza, Argentina.
1889 Apr. 16.	ANZORENA, JACINTO .. ..	9 de Julio 45, Mendoza, Argentina.
1892 Dec. 6.	APPLEBY, LEONARD HODGSON ..	22 Walbrook, E.C.
1892 Nov. 1.	ARMOUR, STEWART .. ..	46 Booth St., Handsworth, Staffs.
1891 Dec. 1.	ASCROFT, FREDERICK WILLIAM ..	11 Park St., Lytham.
1891 Mar. 17.	ASHFIELD, ARTHUR .. ..	P.O., Moran, Sibsagar, Assam.
1888 Feb. 7.	ASHIORTH, JOHN HENRY ..	17 Dix's Field, Exeter.
1892 Dec. 6.	ASKWITH, JAMES EDGAR ..	9 Prince's St., Bishop Auckland.
1888 Feb. 7.	ASQUITH, BENTLEY .. ..	Low Moor, Bradford. [stone.
1891 Nov. 3.	ATKINSON, MONTAGUE .. ..	Tarltons, Cambridge Park, Leyton-
1886 Nov. 2.	ATLAY, GEO. WILLIAM PERCY ..	Church Lane, Marple, Cheshire.
1890 Mar. 18.	ATTFIELD, HENRY STEWART ..	Grindlay and Co., Calcutta.
1892 Dec. 6.	ATWOOD, FRANCIS COURTEMAY ..	The Vicarage, Harlesden, N.W.
1891 Apr. 14.	AVELING, THOMAS CLIFFORD ..	The Restoration House, Rochester.
1892 Apr. 26.	BABTIE, JOHN TAYLOR .. ..	Dunbritton House, Dunbarton.
1887 Feb. 1.	BAILEY, ARTHUR STOWEY ..	26 Girdlers Rd., W. Kensington, W.
1892 Nov. 1.	BAILLIE, GRANVILLE HUGH ..	St. Mary's Vicarage, Bolton, S.W.
m 1890 Mar. 25.	BAILY, FRANCIS GIBSON, B.A. ..	University College, Liverpool.
1889 Nov. 15.	BALDWIN, LEONARD LUDOVIC ..	Surveyor, Coalville, Leicester.
1891 Feb. 10.	BALE, GEORGE ROBERT .. ..	109 Dalling Rd., Hammersmith, W.
1891 May 12.	BALLANTyne, THOMAS .. ..	260 Renfrew Street, Glasgow.
1890 Nov. 18.	BARBER, EDWARD HAZLEDINE ..	North Staffs. Ry., Stoke-on-Trent.
m 1888 Feb. 7.	BARKER, CHARLES DAVIDSON ..	1 Bowmont Ter., Kelvinside, Glasgow.

Date of Admission.	STUDENTS.
1891 Jan. 13.	BARKER, OSWALD .. .. ..
1890 Mar. 4.	BARLOW, THOMAS .. .. ..
1891 Apr. 28.	BARNARD, HENRY OSMOND ..
1892 Jan. 11.	BARNETT, ASHLEY JOHNSTONE ..
1890 Apr. 15.	BARNETT, WALTER GEORGE ..
1892 Nov. 1.	BARRACLOUGH, SAM'L HY., B.E.
1888 Nov. 20.	BARRATT, SAM'L HARRY HILL,
1891 Feb. 10.	BARTLETT, EDWARD CECIL ..
1887 Jan. 25.	BATT, ALFRED JACKSON ..
1892 Nov. 8.	BAYNHAM, ALBAN FRANCIS ..
1892 Jan. 26.	BEATTY, JOSEPH NICHOLSON ..
1892 Nov. 8.	BEAVIS, ROWLAND ENDICOTT ..
1892 Nov. 1.	BEDFORD-GLASIER, FRANCIS ..
1889 Nov. 26.	BEDINGFIELD, WALLER KING ..
1893 Feb. 28.	BEER, WALTER .. .. ..
1889 May 21.	BELCHER, WM. EDWD. GILBERT ..
1890 Nov. 18.	{ BELL, ERNEST ARTHUR SEYMOUR, F.C.H. .. .. ..}
1891 Jan. 13.	BENEST, FRANCIS EDWARD ..
1891 Nov. 24.	BENNETT, LIONEL VAUGHAN ..
1889 Feb. 5.	BENNETT, WILLIAM ALFRED ..
1891 Nov. 9.	BENSON, WILLIAM .. .. ..
1887 Nov. 22.	BERINGER, OTTO LEOPOLD ..
1891 Nov. 9.	BERKELEY, ARTHUR MOWBRAY ..
1892 Nov. 1.	BERRIDGE, HAROLD .. .. ..
1893 Apr. 11.	BERRY, ROBT. ALEX. JOHN ..
1891 Nov. 3.	BESSEMER, ALFRED GEO., Jun.
1892 Nov. 22.	BEST, HAROLD STORE .. ..
1893 Jan. 10.	BETTON, CHARLES STEWART ..
1889 Dec. 10.	BEVAN, PHILIP JAMES .. ..
1890 Nov. 11.	BICKERTETH, EDWARD CHAS.
1892 Apr. 12.	BICKERTON, WM. HENRY, B.Sc.
1891 Nov. 9.	BIDWELL, MANUEL JOSÉ JOHN ..
1891 Nov. 9.	BIGGLESTON, HERBERT .. ..
1889 Dec. 17.	BION, FREDERICK FLEETWOOD ..
1887 Feb. 8.	BIRD, SIDNEY JAMES .. ..
1889 Mar. 5.	BIRT, LASCELLES WILLIAM ..
1891 Nov. 3.	BIRT, RUDING SPENCE .. ..
1888 Jan. 31.	BISHOP, ARTHUR WILLIAM ..
1891 Nov. 9.	BISHOP, CHARLES HERBERT ..
1892 Feb. 9.	BJÖRNSTAD, JÖRGEN .. ..
1893 May 16.	BLAKE, RUSTAT, B.A. .. ..
1890 Dec. 16.	BLES, CHARLES MARCUS, B.Sc.
1888 Feb. 7.	BLUCK, MONTAGUE THOS. NELMES ..
1887 Jan. 11.	BODEN, EDWARD GOULDEN ..
1891 Mar. 17.	BOLDERO, WALTER .. .. ..
1892 Jan. 11.	BOOTH, HUBERT CECIL .. ..
1890 Feb. 18.	BORERO, VICTOR .. .. ..
1892 Nov. 22.	BOTLEY, CHARLES FREDERIC ..
1889 Nov. 26.	BOWDEN, ERNEST NEWTON ..
1887 Dec. 13.	BOWMAN, ERNEST J. VIVIAN ..
1891 Nov. 9.	BOYLE, JOHN CHARTERS .. ..
1892 Nov. 22.	BRACKENBURY, CHAS. ERNEST ..
1889 Jan. 15.	BRADLEY, JAMES WILLIAM ..
1890 Mar. 4.	BRADY, CHAS. HERMON CRAVEN ..
1893 May 16.	BRADSHAW, HARRY GREAVES ..
1892 Nov. 22.	BRADSHAW, JOHN BARKER ..
1886 May 18.	BRAZIL, JOSEPH PETER .. ..
1889 Feb. 5.	BREARLEY, FREDERICK THOMAS ..
	12 Blessington Road, Lee, S.E. Bleak Ho., Caeran, Newport, Mon. Survey Dept., Colombo, Ceylon. Martinholme, Park Rd., Redhill. G.I.P. Ry., Jubbulpur, India. Cornell University, Ithaca, N.Y., U.S. 10 Fairfax Rd., South Hampstead. 31 Elgin Crescent, Bayswater, W. F. C. del Sud, Urugnayana, Brazil. Park Avenue, Dover. Dona-Joney, Lurgan, co. Armagh. Woking, Surrey. Pearson & Son, G.W.Ry., Ivybridge. High St., Newmarket. 65 Syd-nham Park, S.E. 41 Marlborough Pl., Brighton. Dunrobin, Eastbourne. 30 Cromwell Grove, Hammersmith, Newport, Westport, co. Mayo. [W. Rds. & Bridges Dept., Sydney, N.S.W. Boro' Eng.'s Off., Town Hall, Salford. (Likangala, Benson Rd., Forest Hill, S.E.) [W.C. Capt. Berkeley, 148 Shaftesbury Av., 2 Avenue Cres., Mill Hill Park, W. 135 George Street, Edinburgh. 20 Lancaster Rd., So. Norwood Pk., 7 Church Road, Beckenham. [S.E. 46 Newbold Road, Chesterfield. 6 Gt. College St., Westminster, S.W. 28 Edleston Rd., Crewe. [N. Wales. Maesmynn Hall, Caerwys, Holywell, { Villa Suzanne, St. Jean-de-Luz, Basses Pyrénées, Spain. 32 Vanbrugh Hill, Blackheath, S.E. Monghyr, Bengal. H. M. Prison, Portland. 20 Belsize Grove, N.W. 20 Belsize Grove, N.W. 3 Grosvenor Road, S.W. The Gables, Egremont, Cheshire. Easton & Anderson, Erith, Kent. Uxbridge House, Alverstoke. G.W.Ry., Grampound Rd., Cornwall. Patricroft, Waldeek Rd., Ealing, W. 86 Arthur Rd., Brixton, S.W. Grittleton Rectory, Chippenham. 105 Lambeth Palace Road, S.E. Rue St. Place de 58, Paris. Guildables, Hastings. Elge Lane, Stretford, Manchester. Newton House, Teddington. The Mall, Armagh. Continental Union Gas Co., 7 Draper's Gardens, E.C. Boro' Eng.'s Office, Nelson, Lancs. Bellesmere Ho., Cowbit, Spalding. { 26 Demesne Rd., Alexandra Pk., Manchester. R.E. Office, Rupert Lane, Liverpool. Vulcan Works, Avonside, Bristol. Preseot Rd., St. Helen's, Lancs.

Date of Admission.	STUDENTS.	
1889 Feb. 19.	BRINDLEY, HY. SAM. BICKERTON	Norfolk Works, Sheffield.
1890 Nov. 11.	BRISTOW, ARTHUR GEORGE ..	Addabarrie Estate, Tezapore, Assam.
1893 Feb. 21.	{ BRISTOW, CHARLES THEODORE LYTTELTON .. .. ..	18 North St., Duffield Rd., Derby.
1891 Feb. 10.	BRODIE, JOHN BOYD .. ..	Nervalstone, Beith, Ayr, N.B. [S.W.]
1893 Feb. 21.	BRODIGAN, CHARLES BEAIRD ..	41 Victoria Ho., So. Lambeth Rd.,
1891 Dec. 1.	BROWN, CHARLES JOHN .. ..	193 Bruntsfield Place, Edinburgh.
1887 Mar. 15.	BROWN, CHARLES SIDNEY VESEY ..	49 St. John's Park, Blackheath, S.E.
m 1889 Jan. 8.	BROWN, JOHN WALTER .. ..	25 Corrance Rd., Brixton, S.W.
1889 Mar. 12.	BROWNE, GERALD MACLEAY ..	Roads & Bridges Dep., Albury, N.S.W.
1888 Dec. 18.	BROWNSWORD, ARTHUR .. ..	Newcastle Circus, Nottingham.
1893 Feb. 21.	BRYDEN, ARCHIBALD ROBERTSON ..	15 Dalhousie St., Glasgow.
1891 Nov. 24.	BUCHAN, JAMES .. .. ..	20 Bath St., Portobello, N.B.
1887 Apr. 19.	BUCKLE, CLAUDE WILLIAM ..	Norton House, Chichester.
1888 Nov. 20.	BUCKNALL, HARRY .. .. ..	P.W.D., Colombo, Ceylon. [N.S.W.]
1892 Feb. 2.	BUCKNELL, LOUIS GLOFFEY, B.E.	Roads & Bridges Dept., Sydney.
1891 Feb. 17.	BULFIN, IGNATIUS .. .. ..	136 York Rd., Lambeth, S.E.
1891 Nov. 3.	BURCH, ARTHUR RODNEY .. ..	18 St. George's Sq., Regent's Pk., N.W.
1888 Oct. 30.	BURGESS, WILLIAM EDWARD ..	66 Bromham Road, Bedford.
1888 Jan. 31.	BURN, GEORGE FRANK .. ..	Fofar & Brechin Ry., Brechin, N.B.
1891 Apr. 14.	BURNE, EDWARD LANCASTER ..	22 Tufton St., Westminster, S.W.
1891 Nov. 24.	BURNER, ALFRED .. .. ..	H.M.S. "Undaunted," Mediterranean Squadron.
1889 Dec. 10.	BURNETT, CUTHBERT MILLER ..	The Polygon, Southampton.
1890 May 20.	BURROUGH, EDWARD SAVILLE ..	Eanswythe, Thornton Heath.
m 1891 Nov. 3.	BUTTERWORTH, ARTHUR SHAW ..	De Montfort Terrace, Loughborough.
1889 Dec. 3.	CALVERT, THOMAS COPEL .. ..	Maybank, Manly Beach, Sydney - N.S.W.
1889 Feb. 19.	CAMPBELL, ARCHIBALD GOWAN ..	Southwell Ho., Southwell Gds., S.W.
1890 Nov. 18.	CAMPBELL, HY. CHAS. BRAZAZON ..	3 Victoria Street, S.W.
1889 Jan. 15.	CANNAN, EDWARD .. .. ..	Airedale Mount, Bradford, Yorks.
1893 Jan. 17.	CANNING, FREDERICK RUSSELL ..	W. S. Seaton, 57½ Old Broad St., E.C.
1891 Nov. 9.	CAREW-GIBSON, HARRY FREDK. ..	Cliff Lodge, Glenbeigh, co. Kerry.
1891 Nov. 9.	CAREY, VICTOR GOSSELIN ..	Grosvenor Club, New Bond St., W.
1892 Mar. 15.	CAREY, WALTER .. .. ..	Browside, Gateacre, Liverpool.
1892 Jan. 11.	CARMICHAEL, GEORGE HENRY ..	J. Strain, 154 W. George St., Glasgow.
m 1891 Feb. 24.	CARNEGIE, DAVID .. .. ..	252 Burrage Road, Plumstead, S.E.
1893 May 9.	CAROUSSO, ARISTIDES STEPHENS ..	Eckersley, Godfrey & Liddelow, Grande Maison Melas, Athens.
1887 Mar. 29.	CARR, LAWRENCE STATTER ..	23 Redcliffe Gardens, S.W.
1892 Nov. 29.	CARROLL, ALEXANDER ERNEST ..	5 Park Row, Knightsbridge.
1892 May 17.	CARTE, HUMFREY ALLEYNE ..	13 Upper Woburn Place, W.C.
1887 Apr. 19.	CARTER, GEORGE FEARNLEY ..	Boro' Eng.'s Office, Leeds.
1889 Nov. 26.	CARTWRIGHT, FRANK .. ..	Albion Place, Bury, Lancs.
1893 Jan. 17.	CARTWRIGHT, FREDK. SHEWARD ..	W. S. Seaton, 57½ Old Broad St., E.C.
1893 May 9.	CAZALET, LOUIS PERCY .. ..	Perranporth, Cornwall.
1891 Jan. 13.	CHAMPION, JOHN ROBERT ..	Millhouses, Sheffield.
1893 Mar. 28.	CHAPMAN, ALFRED SAUNDERS ..	Western College, Plymouth.
1893 Feb. 14.	CHAPMAN SAMUEL CHRISTOPHER ..	Western College, Plymouth.
m 1886 Feb. 2.	CHATTERTON, BERTRAM .. ..	44 Rye Hill Park, S.E.
1891 Nov. 24.	CHEEKE, WILLIAM ALEXANDER ..	Stroodleigh Court, near Tiverton.
1890 Nov. 18.	CHRIST, HARRY GEORGE, Wh.Sc.	8 Kestrel Avenue, Herne Hill, S.E.
1891 Mar. 17.	CHURCHILL, PERCILEON WINSTON ..	Ferro Carril, Algeciras, Spain.
1893 May 9.	CHUTE, JOHN HENRY CHALONER ..	Suck Drainage, Ballinasloe.
1893 Mar. 14.	CLARK, FRANKLIN .. .. ..	17 Rose Hill, Dorking.
1889 Feb. 19.	CLARK, GEORGE HERBERT ..	Gasworks, Belém, Pará, Brazil.
1889 May 21.	CLARKE, PETER .. .. ..	2 Farebank Ter., Farebank Rd., Dunn.
1889 Dec. 3.	CLAYPOOLE, ALBERT HENRY ..	City Engineer's Office, York. [dec.
1888 Jan. 24.	CLEMENCE, WALTER .. ..	50 Addison Gardens, W.
1891 Jan. 6.	CLEMENTS, GEO. FINDLATER ..	c.o. Electrical Eng. for Rys., Sydney,
1887 Apr. 19.	CLEMISON, WM. HY. DAVIDGE ..	9 New Broad St., E.C. [N.S.W.]

Date of Admission.	STUDENTS.	
1891 Jan. 13.	CLIREHUGH, STAMFORD VAIR ..	Insulated Wire Co., Prescot.
1893 Feb. 14.	COAD, THOMAS HERBERT EDGAR ..	Medina Esplanade, Hove.
1892 Dec. 13.	COBB, PERCY RHODES .. ..	18 Craven Hill Gardens, W.
1888 Oct. 30.	COCHRANE, JAMES HUBERT ..	Aldin Grange, Durham.
1889 May 14.	COCKBURN, JAMES STANHOPE ..	Pennoxstone Court, Ross, Hereford.
1892 Nov. 22.	COLEMAN, FREDERICK DOUGLAS ..	286 Gt. Cheetham St., Manchester.
1892 Jan. 11.	COLLINS, FREDERICK REILLY ..	Royal Indian Eng. Coll., Staines.
1891 Apr. 14.	COLLINSON, ARTHUR .. ..	3 Leazes Cres., Newcastle-on-Tyne.
1890 Dec. 2.	CONRADI, JULES FERDINAND ..	53 Crowndale Road, N.W.
1893 Feb. 7.	CONWAY, JAMES .. .. ..	141 Newington Causeway, S.E.
1891 May 12.	COODE, CHARLES LOUIS .. ..	Assam-Bengal Ry., Shillong, Assam.
1891 Nov. 9.	COOKE, CHARLES ARCHIBUTT ..	Ravencourt, Bexley, Kent.
1892 Nov. 22.	COOKSON, ALFRED CHORLEY ..	63 Endwell Rd., Brockley, S.E.
1893 Feb. 21.	COOPER, EDWARD HENRY SLADE ..	Hillmorton Paddox, Rugby. [ter.
1892 Apr. 26.	COOPER, THOS. BRAMMALL, B.Sc. ..	Woodville, Cheetham Hill, Manches-
1888 Nov. 27.	COPE, WILFRED ARTHUR ..	Boro' Surveyor's Off., Richmond, S.W.
1886 Nov. 2.	COPLAND, JOHN PEARSON ..	Cheltenham Villa, Malvern Wells.
m 1891 Feb. 10.	COPLAND, WM. ROBERTSON, Jun. ..	20 Sandyford Place, Glasgow.
1890 Mar. 4.	CORBETT, PATRICK JOSEPH ..	P.W.D., Surat, Bombay.
1885 Nov. 10.	CORIN, WILLIAM .. .. ..	182 Devonshire Rd., Forest Hill, S.E.
1892 Apr. 12.	COUPER, SYDNEY .. .. ..	L. & N. W. Ry., Ashbourne.
1893 Apr. 18.	COUSTON, BENJAMIN BAGLEY ..	Dunedin, Otago, N.Z.
1891 Feb. 3.	COUTTS, ERNEST GRAY .. ..	King, King & Co., Bombay. [ford.
1892 Dec. 6.	COVERTON, RALPH HENRY ..	23 Athol Rd., Manningham, Brad-
1891 Nov. 24.	COZENS-HARDY, EDG. WRIGLEY ..	2 Old Palace Yard, S.W.
1889 Nov. 26.	{ CRABTREE, WALTER ROBIN- SON, B.Sc. .. .. .. } ..	Zetland House, Southport.
1886 May 11.	CRAWFORD, FRANK WHINFIELD ..	Turner's Hill, Cheshunt.
1892 Feb. 2.	CREBER, WM. FRANCIS HENRY ..	Boro' Eng.'s Office, Plymouth.
1891 Feb. 10.	CRIGHTON, CHARLES .. ..	So, Indian Ry., Negapatam, Madras.
1892 Apr. 12.	CRIMPTON, REGINALD HARRATT ..	Paddock Wood Ry., Horsmonden,
1892 Nov. 1.	CROSLIGH, LOCUS CHARLES ..	Eaglefield Green, Staines. [Kent.
1892 Nov. 29.	CROSS, LIONEL DOUGLAS .. ..	Royal Indian Eng. Coll., Staines.
1892 Nov. 22.	CREOUCH, JOHN PEACHEY .. ..	37 Hall Gate, Doncaster.
1889 Dec. 17.	{ CUNLIFFE-OWEN, HUGO von REITZENSTEIN .. .. .. }	2 The Residences, So. Kensington Museum, S.W.
1890 Jan. 21.	CURRIE, ARCHIBALD, Jun. ..	W. Highland Ry., Helensburgh, N.B.
1887 Nov. 8.	CUTBILL, HARRY WALLACE ..	Casilla 105, Cordoba, Argentina.
1891 Mar. 17.	DANA, ROBT. WASHINGTON, B.A. ..	11 Queen St., Barry, Cardiff.
1893 Jan. 10.	DASHPER, FREDERICK CHARLES ..	G. N. Ry., Boston.
1889 Feb. 19.	DAVENPORT, VIVIAN EDWARD ..	30 Montpelier Crescent, Brighton.
1892 Dec. 6.	DAVIDSON, JONATHAN ROBERTS ..	Ivyhurst, Linnet Lane, Liverpool.
1889 May 21.	DAVIS, WM. JOSEPH BRENNER ..	The Grove, Rishworth, nr. Halifax.
1892 Feb. 2.	DAVSON, SIMON SILVER .. ..	46 Queen Anne's Gate, S.W.
1893 Mar. 14.	DAWE, PHILIP HENRY .. ..	10 High St., Yeovil, Somerset.
1890 Nov. 18.	DAWNAY, OSMOND .. .. ..	Sheviocke, Peckham Rye, S.E. [N.
1888 Oct. 30.	DAWNEY, ALBERT EDWARD ..	Nithsdale, Bethune Rd., Amhurst Pk.,
1887 Dec. 6.	DAWSON, FREDERIC JOHN .. ..	29 Maxilla Gdns., Notting Hill, W.
1888 Nov. 27.	DAWSON, JOHN SMITH .. ..	Town Hall, Ashton-under-Lyne.
1888 Jan. 24.	DENHAM, HERBERT BOULTON ..	54 Fleet Street, E.C.
1892 Jan. 11.	DEVENISH-MEARES, BASIL, B.E. ..	West Donegal Ry., Killybegs.
1891 Nov. 9.	DE VILLE, MARTIN .. .. ..	6 Tonsley Hill, Wandsworth, S.W.
1887 Nov. 8.	DICEY, EDWARD CHARLES .. ..	Egremont, Sidecup.
1889 Feb. 5.	DOBSON, AUSTIN ARTHUR GREAVES ..	Dock Works, Buenos Ayres.
1888 Feb. 21.	DODS, JOSHUA CHALMERS .. ..	Local Fund Eng., Malabar, India.
1892 Apr. 26.	DONALD, PATRICK DUNLOP, B.Sc. ..	154 West George Street, Glasgow.
1892 Dec. 6.	DONKIN, SYDNEY BRYAN .. ..	May's Hill, Shortlands, Kent. [shire.
1889 Apr. 2.	DOUGLAS, ALEXANDER SHARP ..	Ardmore, by Cardross, Dumbarton-
1891 Mar. 3.	DOUGLAS, GORDON .. .. ..	{ 2 Bella Vista, Minas de Rio Tinto, Huelva, Spain.

Date of  
Admission.

## STUDENTS.

1891 Dec. 8.	DOUGLASS, ALFRED EDWARDS	{ So. Staffs. Water Co., Paradise St., Birmingham. [S.E.]
1889 Mar. 26.	DRAYNER, WILLIAM .. ..	The Nook, Grove Pk., Camberwell, 2 Newland Terrace, Kensington, W.
1892 Nov. 29.	DRESDEN, WILLIAM JAMES ..	Quarry Ho., Mutwal, Colombo, Ceylon.
1890 Apr. 22.	DRIEIERG, JAS. ALF. GRENIER	Ry., Hallwell, Davidstowe, Cornwall.
1892 Jan. 11.	DRUCE, ERNEST HARRY .. ..	874 Sherbrooke St. Montreal, Canada.
1886 May 11.	DRUMMOND, ARTHUR LENNOX	145 Bruntsfield Place, Edinburgh.
1889 Dec. 10.	DRUMMOND, HAWTREY MARKS	49 Clifton Street, Brighton.
1892 Nov. 8.	DUNCAN, HERBERT ELLIS ..	73 Wright Street, Hull.
m ♫ 1886 Mar. 8.	DURLEY, RICHARD JOHN, B.Sc.	3 Mount Terrace, Charlton.
1891 Mar. 17.	DYKES, ALFRED HERBERT ..	

1885 Dec. 15.	EASTON, WALTER JOHN .. ..	1 Colville Rd., Bayswater, W.
1891 Nov. 9.	EASTON, WM. CECIL, B.Sc. ..	Redholm, Helensburgh, N.B.
1892 Nov. 29.	EDEN, EDGAR MARK .. ..	10 Hill Rd., St. John's Wood, N.W.
1889 Nov. 26.	EDMONDSON, JOHN ALFRED ..	16 Fenton Street, Leeds.
1890 Apr. 22.	EFLATOUN, MOHAMED, <i>Bey</i> ..	Cairo, Egypt. [N.W.]
1886 Dec. 14.	ELLINGTON, GUY .. ..	15 Stanley Gds., Willesden Green, F. C. del Sud, Buenos Ayres.
1888 Mar. 13.	ELLIOT, CLARENCE MOWBRAY	Gosfield Vicarage, Halstead, Essex.
1890 Dec. 9.	ELLIOT, EDWARD FRANKLYN	Wynberg, Cape Colony.
1889 Nov. 15.	ELLIOTT, HARRY HORNE ..	Oriental Gas Co., Sealdah, Calcutta.
1890 Nov. 18.	ELLIS, BERTRAM WYBURN	Gower Ho., Southfields, Wandsworth.
1892 Mar. 15.	ELLIS, JOHN WAKELING ..	Northfield, Belgrave, Leicester. [S.W.]
1890 Dec. 2.	ELLIS, SOMERS HOWE .. ..	4 Oriental Place, Southampton.
1887 Dec. 13.	ENNIS, ARTHUR FREDERIC ..	Chorley Road, Swinton, Lancs.
1891 Nov. 3.	ENTWISLE, HENRY .. ..	225 Balham High Road, S.W.
1889 Apr. 30.	ERICHSSEN, FREDERIK OLE ..	Godfrey Ho., Godfrey Hill, Woolwich.
1890 Nov. 18.	ESTLER, PAUL TRAUGOTT JULIUS	The Croft, Harborne, Staffs.
1891 Apr. 28.	EVERARD, FRANCIS OVER ..	

1891 Mar. 17.	{ FAITHFULL, FERDINAND FOR-	Singapore, S.S. [Hill Pk., S.W.]
1889 Nov. 5.	TESCUE .. .. .. ..	Homeleigh, Lanercost Rd., Tulse
1892 May 17.	{ FALKENSTEIN, CONRAD KEAUSS	Port of Spain, Trinidad.
	{ FARRELL, CHAS. AR. RICHARDS,	
	B.S.C. .. .. .. ..	85 Glassford St., Glasgow. [Cly.]
1891 Feb. 10.	FARRELL, RICHARD CRAIG ..	Town Hall, Hoyland Nether, Barns-
1886 May 18.	FARRINGTON, WILLIAM .. ..	York Ho., Blenkarne Road, Wands-
1891 Nov. 9.	FEATHERSTONE, HAROLD EDGAR	worth, S.W.
1892 Jan. 26.	FFORDE, FRANCIS CRESWELL ..	Ferro Carril, Algeciras, Spain.
1890 Mar. 4.	FINLAISON, HARRY GLEN ..	Malet Lodge, Putney, S.W.
1892 Dec. 6.	FLEMING, CHARLES ALEXANDER	15 Rose St., Garnet Hill, Glasgow.
1889 May 14.	FLETCHER, BERNARD MORLEY	7 Victoria Street, S.W.
1893 Mar. 21.	FLETCHER, HERBERT PHILLIPS	{ Anglebay, Woodchurch Road, West
1891 Dec. 8.	FLETCHER, JOHN DEVONALD ..	Hampstead. [port.]
1892 Apr. 26.	FLOWER, ERNEST HUBERT ..	The Homestead, Calc Green, Stock-
1893 Apr. 11.	FORBES, HENRY KEITH .. ..	Linkheda, Pauch Mahals, India.
1886 Dec. 7.	FORD, THOMAS WHARTON ..	Whitchurch, Reading
1891 Feb. 10.	{ FORREST, WILLIAM ROBERTSON	49 Fellows Rd., Hampstead, N.W.
	LIDDERDALE .. .. .. ..	Eng.'s Office, N.E.Ry., Darlington.
1891 Feb. 17.	FORRESTER, ARTHUR LIVESEY	L. T. & S. Ry., Hornchurch, Essex.
1890 Nov. 18.	FOX, FRANCIS DOUGLAS, B.A.	28 Victoria Street, S.W.
1891 Nov. 24.	FOY, ERNEST RUDOLPH .. ..	Royal Indian Eng Coll., Staines.
1892 Feb. 2.	FRANKLAND, BALDWIN .. ..	Boro' Eng.'s Office, Leeds.
1888 Nov. 20.	FRASER, ALEXANDER .. ..	Apartado 411, Mexico City.
1888 Nov. 27.	FRERE, FRANK HORACE .. ..	27 Denmark Hill, Wimbledon.
1892 Mar. 15.	FUHR, HENRY HANNAY .. ..	P.W.D., King William's Town, C.C.
1887 Dec. 6.	FURNESS, GEORGE JAMES ..	30 Monte Pellegrino, Palermo, Sicily.
1892 Nov. 29.	FURNIVALL, FRANK .. ..	Royal Indian Eng. Coll., Staines.

Date of Admission.	STUDENTS.	
1890 Mar. 4.	GAHAGAN, EDWIN GEORGE ..	Asst. Eng., P.W.D., Bombay.
1889 Nov. 15.	GALE, ARTHUR ROBERT ..	47 Arlingford Rd., Tulse Hill, S.W.
1889 Feb. 5.	GALE, WILLIAM MORRIS ..	18 Huntley Gds., Kelvinside, Glasgow.
1891 Mar. 3.	GARDNER, JOHN WISHART FAILIE ..	Crosshill St., Lennoxton, Glasgow.
1892 Jan. 11.	GARFIELD, JOSEPH ..	Penn Road, Wolverhampton.
1891 Nov. 9.	GARRETT, FRANK, JUN. ..	Leiston Works, Suffolk.
1892 Feb. 23.	GARTSIDE, GEORGE EDWARD ..	Holly Bank, Audenshaw, M'chr.
1887 Nov. 22.	GASK, PERCY TILLSON ..	29 Victoria Crescent, Eccles, M'chr.
1892 Dec. 20.	GAVIN, JOSEPH MERRICKS ..	65 South Hill Pk., Hampstead, N.W.
1892 Jan. 11.	GIBB, ALEXANDER ..	32 Montague Place, Russell Sq., W.C.
1892 Jan. 11.	GILBERT, THOS. STEPHEN, B.A.	16 Abercorn Ter., Antrim Rd., Belfast.
1888 May 1.	GILL, CHARLES ..	Younge & Gill, Soerabaya, Java.
1889 Nov. 5.	GILL-JENKINS, DANIEL ..	Camborne, Cornwall.
1892 Nov. 22.	GITTINS, WILLIAM HENRY ..	28 New St., Dorset Square, N.W.
1890 Jan. 21.	GIVEN, ERNEST CRANSTON ..	The Grange, St. Michael's, Liverpool.
1891 Nov. 3.	GLASCODINE, RICH'D. THOMSON ..	G. Spencer & Co., 77 Cannon St., E.C.
1893 Jan. 17.	GLENDINNING, FRED ..	Carlton Terrace, Hartlepool.
1890 Feb. 11.	GLOVER, GEORGE TERTIUS ..	Hyde Park Loco. Works, Glasgow.
1892 Dec. 20.	GODFREY, CHARLES HENRY ..	King's Heath, Birmingham.
1886 Dec. 21.	GODFREY, FREDERICK WILLIAM ..	M. S. & L. Ry., 28 Park Row, Not-
1889 Feb. 5.	GODFREY, BERNARD ..	Boro' Surveyor, Droitwich. [tingham.
1890 May 20.	GOMAR, JOSEPH DE ..	J. Livesey, Broad St. Avenue, E.C.
1890 Dec. 9.	GONSALVES, GEORGE ..	Port Works, Buenos Ayres.
1892 Mar. 1.	GOODMAN, GEORGE SMITH ..	Boro' Eng.'s Dept., Plymouth.
1888 Feb. 7.	GOODMAN, JAMES ..	Waterworks, Brentford.
1889 Apr. 16.	GOODMAN, RICHARD ..	{ Harrington Cottage, Kew Bridge
1892 Jan. 26.	GORE, JOHN RIPTON ..	Road, Brentford.
1887 Dec. 6.	GOSTLING, HERBERT CHARLES ..	11 Maitland Park Road, N.W.
1892 Nov. 29.	GRAHAM, WALTER BURNS ..	Casilla 144, Correo, Buenos Ayres.
1889 Mar. 5.	GRANT, JOHN BURLINSON ..	{ Heath Cottage, South End Road,
1892 Nov. 1.	GRANT, WILLIAM ..	Hampstead, N.W.
1891 Nov. 9.	GRANTHAM, ARTHUR MYLES ..	G.W.Ry., Ivybridge, South Devon.
1893 Feb. 21.	GRAY, ANDREW ..	Baxter & Saddler, Ry., Parkes, N.S.W.
1891 Nov. 9.	GREENE, LOUIS ..	634 Church St., Toronto, Canada.
1888 Jan. 17.	GREENWELL, EDWIN WALTER ..	Carisbrook, Helensburgh, N.B.
1890 Jan. 28.	GRESGSON, WILLIAM BRICE ..	Marine Palace & Pier, Brighton.
1891 Dec. 8.	{ GRIFFITH, CHARLES LEOPOLD	5 Park Place East, Sunderland.
	{ TROYTE .. .. ..	P.W.D., Colombo, Ceylon.
1890 Nov. 18.	GRIFFITHS, WILLIAM JOHN ..	Drurries, Harrow. [eo. Wicklow.
1887 Mar. 22.	GROVE, EDMUND, PHILIP ..	1 Claremont Ter., Meath Rd., Bray,
1890 Dec. 16.	GROVE, EDWARD LONG ..	5 South Parade, Chelsea, S.W.
1888 Jan. 24.	GUEST, RICHARD, JUN. ..	B. Latham, 13 Victoria St., S.W.
1890 Dec. 16.	GULLAN, HECTOR FREEMAN ..	5 St. Mary's Grove, Barnes, S.W.
		Eng.'s Office, L. & N.W. Ry., Crewe.
1891 Nov. 3.	HAIGH, LIONEL CLIFFORD ..	4 Brighton Terrace, Surbiton.
1892 Nov. 29.	HALL, CHARLES ERNEST ..	Royal Indian Eng. Coll., Staines.
1891 Nov. 9.	HALL, JAMES .. .. ..	31 Cemetery Road, Crewe.
1889 Dec. 10.	HALL, LEONARD GEORGE ..	3 The Crescent, Carlisle.
1887 Nov. 22.	HAMER, WILLIAM HENRY ..	Dock Office, Hull.
1892 Nov. 29.	{ HAMILTON-GORDON, GEORGE	48 Lower Sloane Street, S.W.
	{ HERSCHEL .. .. ..	50 North Road, Durham.
1887 May 24.	HAMOND, FRANK EDWARD ..	5 Victoria Street, S.W.
1892 Mar. 15.	HANCOCK, HENRY WILLIAM ..	2 Beech Ter., Fairfield, Liverpool.
1889 Mar. 19.	HARDAKER, ALFRED EDWIN ..	Bank House, Elton, Bury.
1888 Feb. 21.	HARDMAN, ERNEST WILLIAM ..	Kingsbury, South Norwood Hill, S.E.
1889 Feb. 12.	HARRIS, JOHN PARKER ..	Walmersley Rd., Bury, Lancs.
1891 Jan. 27.	HART, GEORGE ADAM ..	25 Hamilton Park Terrace, Glasgow.
1891 Feb. 10.	HART, PATRICK CAMPBELL ..	4 St. James's Street, S.W.
1888 Dec. 4.	HARVEY, FRANCIS JOSEPH ..	

Date of Admission.	STUDENTS.
1891 Nov. 9.	HASSELL, WILLIAM FRANCIS ..
1887 Mar. 22.	HATT, JOHN JOSEPH .. ..
1889 Nov. 26.	HAWKINS, PERCY .. ..
1892 Nov. 22.	HAWKINS, TOM SHIPLEY ..
1891 Dec. 8.	HAWTHORN, REG. WM. EUSTACE
1892 Feb. 23.	HEAD, HENRY COLEMAN ..
1890 Mar. 18.	HEAP, JAMES HENRY ..
1893 Mar. 28.	HEATH, LEOPOLD WILLIAM ..
1890 Feb. 25.	HEATHCOTT, JOHN, B.Sc. ..
1891 Feb. 10.	HEATON, FREDERICK GEORGE
1890 Mar. 11.	HENDERSON, GILBERT REGINALD
1889 Feb. 5.	HENRIQUES, EDGAR HY. QUIXANO
1892 Nov. 22.	HENRY, THOS. ALEX. STEWART
1889 Feb. 12.	HERIOT, GERALD MAITLAND ..
1892 Mar. 15.	HESLOP, JOHN GEORGE ..
1893 May 16.	HEWITT, CHARLES ROMILLY ..
1890 Mar. 4.	HICKSON, GEORGE FORSTER ..
m ♫ 1889 Nov. 26.	HILL, EDMUND LEWIN ..
1889 Nov. 15.	HILLS, HARVEY JAMES ..
1893 Mar. 14.	HINCKS, HAROLD THORNTONWAITE
1888 Nov. 27.	HOBLEY, CHARLES WILLIAM ..
1889 Dec. 17.	HODGE, EDWARD CHARLES ..
1889 Apr. 16.	HODSON, FREDERICK WALTER
1891 Nov. 24.	{ HOLMES A COURT, Hon. HY. WORSLEY .. .. .. ..}
1892 Mar. 15.	HOMAN, WILLIAM MACLEAN ..
1892 Mar. 1.	HOME, HENRY .. .. ..
1892 Mar. 15.	HOOD, EDWARD .. .. ..
1891 Nov. 3.	HOPE, ALARIC .. .. ..
1891 Mar. 17.	HOSKEN, ARTHUR FAYER ..
1888 Jan. 24.	HOVIL, FRANK .. .. ..
1888 Jan. 17.	HOWARD, WILLIAM HENRY KER
1891 Nov. 9.	HUDSON, WALTER .. ..
1892 Feb. 2.	HULL, FRANCIS REGINALD ..
1889 Mar. 5.	HULL, HENRY ADIN ..
1888 Nov. 20.	HULL, PERCY WINSTANLEY ..
1889 Mar. 19.	HULME, EDWIN .. .. ..
1892 Nov. 22.	HUMMEL, FRANK HARVEY ..
1889 Apr. 2.	HUMMEL, HORACE JAS. JORDAN
1887 Jan. 11.	HUMPHREY, HERBERT ALFRED
1891 Feb. 10.	HUMPHREYS, HENRY HOWARD
1891 Nov. 24.	HUNT, VIVIAN BARKER .. ..
1891 Mar. 3.	HUTCHINS, FREDERICK .. ..
1893 Apr. 25.	HUTCHINSON, WALTER JAMES
1887 Apr. 19.	HUTCHINSON, WILLIAM HAINES
1891 May 5.	HUTCHINSON, GEORGE LEAN, B.Sc.
1889 Nov. 26.	HUTTON, STANLEY PAGE ..
1890 Feb. 18.	HUTTON, WILLIAM .. .. ..
1890 Jan. 21.	INGHAM, WILLIAM .. .. ..
1892 Nov. 22.	INMAN, FRANCIS .. .. ..
1892 May 3.	IONIDES, ALEX. GEORGE, B.A.
1893 Mar. 21.	JACQUES, HAROLD SISSON ..
1888 May 8.	JAMES, ARTHUR CHARLES ..
1889 Nov. 15.	JAMIESON, FREDERICK ALEX.
1893 Mar. 14.	JANSON, EDMUND WM., B.A..
1889 Dec. 17.	JEFFERIS, ROWLAND JOHN ..
1892 May 24.	JENKINS, ALFRED JOHN .. ..
1890 Nov. 11.	JENKINSON, WM. ERIC LEIGH
	28 Western St., Bedford.
	4 St. Mary's Terrace, Maida Hill, W.
	Royal Indian Eng. Coll., Staines.
	255 Shirley Rd., Southampton.
	Glenholme, Leigham Ct. Rd., S.W.
	58 Lillieshall Road, Clapham, S.W.
	Eversleigh, Rochdale.
	10 Forster St., Galway.
	Vernon Cottage, Chapel-en-le-Frith.
	King Street, Wigan.
	Briarghyll, Maritzburg, Natal.
	Hope House, Kersal, Manchester.
	4 Eaton Rise, Edling, W.
	Eng.'s Off., Comisbro', Rotherham.
	Easington, Castle-Eden, Durham.
	26 Lancaster Gate, W.
	Rds. & Bridges Dept., Sydney, N.S.W.
	1 Broad Street, Oxford.
	14 Werrington St., Camden Tn., N.W.
	The Northgate, Chester.
	Chilvers Coton, Nuneaton.
	Magdala House, Buckhurst Hill.
	Abbey Bdg., Princes St., Westr., S.W.
	Eng.'s Office, Midland Ry., Derby.
	6 Buckingham Buildings, Glasgow.
	2 Leinster Square, W.
	Eng.'s Office, West India Docks, E.
	10 Blackstock St., Liverpool.
	Hyde Park Loco. Works, Glasgow.
	Railway, Jamaica.
	E. Coast Ry., Jellamanchilly, Madras.
	46 Torrington Square, W.C.
	São Paulo Ry., São Paulo, Brazil.
	Southam, Warwickshire
	Petrel House, Pinxton, Alfreton.
	Promenade Pier, Dover. [S.W.]
	88 Salcott Rd., Wandsworth Common,
	Ashlynn, Albemarle Rd., Beckenham.
	Brunner, Mond & Co., Northwich.
	Eng.'s Office, Dyne Rd., Brondesbury, N.W.
	The Elms, Alleyn Pk., W. Dulwich.
	Marie Villa, Peckham Rd., S.E.
	Rowley Avenue, Stafford.
	2 Park Square, Leeds.
	6 Belhaven Terrace, Glasgow.
	Apna Place, Uddingston, N.B.
	40 Headlands Park, Plymouth.
	J. H. Greathead, 15 Victoria St., S.W.
	32 Clarence St., Loughborough.
	Municipal Office, Cheltenham.
	Boro' Eng.'s Office, Cambridge.
	R. A. Jamieson, M.D., Shanghai.
	Etherington Hill, Tunbridge Wells.
	44 Beaufort Rd., Birmingham.
	70 High Street, Bideford.
	Roslin, Palace Rd., Tulse Hill, S.W.

Date of Admission.	STUDENTS.	
1890 Nov. 11.	JOHNS, PERCY .. .. ..	Town Hall, Torquay.
1891 May 12.	JOHNSON, CLAUDE WHATELY ..	King, King & Co., Bombay. [vaal.
1890 Mar. 25.	JOHNSON, PERCY ALEXANDER ..	Selati Ry., Koomatic Poort, Trans-
1889 Nov. 26.	JOHNSON, PETER WHITE ..	5 West Albert Park, Liverpool.
1887 Mar. 15.	JOHNSON, PHILIP HEBER ..	No. Division, Midland Ry., Derby.
1889 Mar. 5.	JONES, HAROLD CECIL ..	The Grange, Hooton, Cheshire.
1893 May 2.	JONES, WILLIAM GORDON ..	Midland Ry., Foley Pl., Gloucester.
1892 May 17.	JOSELIN, EDWARD LIVINGSTONE	{ 81 Bembridge Rd., New Wandsworth, S.W.
1890 Feb. 18.	JUDD, CHARLES RICHARD ..	Assam-Bengal Ry., Nowgong, Assam.
1887 Jan. 25	JURP, HERBERT SIDNEY ..	70 Gloucester Rd., Kew.

1891 Nov. 9.	KEMP-WELCH, JOHN, Jun. ..	[W. Eversleigh, Challoner St., Kensington,
1892 May 24.	KENNEDY, ROBERT SINCLAIR ..	11 Fellows Rd., Hampstead, N.W.
1892 Nov. 29.	KENT, ROBERT JACKSON ..	99 Church Rd., Richmond, S.W.
1892 Nov. 8.	KIESER, WILLIAM HY. GUSTAV	Ellacombe View, Torquay.
1889 Nov. 5.	KILBY, CHAS. HARVEY, Wh.Sc.	7 Beacon Hill, Camden Road, N.
1892 Dec. 20.	KIMBER, JOHN FREDERIC CHAS.	Cope Hall, Enborne, Newbury.
1890 Nov. 11.	KING, CHRISTOPHER WATKINS	Rds. & Bridges Dept., Sydney, N.S.W.
1891 Nov. 3.	KIRKPATRICK, CYRIL REG. SUTTON	5 Eccleston Street, Wigan. [Glasgow.
1893 Feb. 21.	KIRKWOOD, JOHN .. .. ..	Formans & McCall, 160 Hope St.,
1890 Feb. 11.	KIRTON, COOPER NICHOL ..	P. & O. Co., 122 Leadenhall St., E.C.
1893 Jan. 10.	KITCHIN, JOHN WILLIAM ..	35A Great George Street, S.W.
1891 Nov. 9.	KLECKOWSKI, FREDC. TUDOR	111 Bow Road, E.
1887 Dec. 6.	KLOPP, GEORGE ONNO HOMFELD	133 Longmarket St., Cape Town, C.C.
1892 Apr. 12.	KNOTT, FRANCIS ALDEN ..	115 Iffley Road, Oxford.
1893 Feb. 21.	KOPELOW, CHARLES VON ..	16 Clarence Rd., Kew, S.W.

1890 Nov. 18.	LAING, WM. ARTHUR BAIRD ..	Glenord, Spylaw Rd., Edinburgh.
1888 Nov. 20.	LAMBERT, JOSHUA .. .. ..	Local Board, Tottenham, N.
1888 Dec. 11.	LANE, STANLEY ARTHUR ..	J. Jackson, Wilderspool, Warrington.
1888 Nov. 20.	LANG, SYDNEY ASPLAND ..	University Hall, Gordon Sq., W.C.
1893 Apr. 11.	LART, FREDERICK ARTHUR ..	205 Nantwich Rd., Crewe.
1889 Feb. 19.	LASHMORE, ERNEST WARD ..	Waratah, Denzil Av., Southampton.
1893 Jan. 31.	LATHAM, FRANK .. .. ..	Westbourne House, Margate.
1889 May 21.	LAURENS, FRANK .. .. ..	Dist. Surv., Dinas-Powis, Cardiff.
1892 Nov. 8.	{ LAURIE, ALEXANDER CHARLES HERMANN, F.C.H. .. .. ..	27 Windsor Ter., Penarth, Cardiff.
1889 Dec. 10.	LAURIE, KENNETH SMALE ..	West Mold Ry., Wrexham.
1892 Mar. 1.	LEAKE, HENRY COOK .. .. ..	76 Comeragh Rd., W. Kensington, W.
1892 Dec. 20.	LEAVER, CYRIL D'ARCY ..	Govt. Loco. Wks., Adelaide, S. Aust.
1889 Apr. 2.	LEITCH, WILLIAM ORR, JUN. ..	43 Ardgowan St., Greenock, N.B.
1892 Nov. 1.	LESLIE, JAMES PATRICK ..	47 Lee Park, Blackheath, S.E.
1892 Jan. 11.	LEVI, ABRAHAM VICTOR ..	Box 247, Cairo.
1891 Apr. 7.	LEWIS, JOHN THORPE .. .. ..	E. Parry, 28 Park Row, Nottingham.
1891 Feb. 17.	LEWIS, LLEWELLYN WILLIAM	Thos. Cook & Sons, Rangoon, Burma.
1890 Nov. 11.	LEWIS, RALPH MORGAN ..	19 Cranbury Place, Southampton.
1892 Dec. 6.	LILLIE, GEO. ERNEST, F.C.H.	Brenzett Vicarage, Folkestone.
1888 Dec. 4.	LINDSEY, EDWARD SARGINT ..	Assam-Bengal Ry., Shillong, Assam.
1891 Mar. 24.	LISTER, EDM. ALG. CORYTON ..	Royal Indian Eng. Coll., Staines.
1889 Mar. 12.	LIVESEY, ALFRED PERCIVAL ..	Gorton Foundry, Manchester.
1887 Mar. 29.	LLOYD, CHARLES LEWIS ..	54 Bree Street, Cape Town, C.C.
1892 Nov. 8.	LLOYD, GUY ERNEST .. .. ..	10 Sheffield Gardens, W.
1890 Nov. 11.	LÖBNITZ, HARRY CALDER ..	Clarence House, Renfrew, N.B.
1890 Feb. 4.	LOCHHEAD, KERR, B.Sc. ..	Admiralty Works, Peterhead, N.B.
1891 Nov. 17.	LONGHURST, FREDK. HERDMAN	L. F. Office, Ellore, Madras.
1888 Dec. 4.	LORDEN, FREDERICK LAMBERT	N. Z. Electrical Syndicate, Wellington.
1888 Nov. 13.	LOVEGROVE, ERNEST .. .. ..	Benhilton, Sutton, Surrey. [ton, N.Z.
1891 Feb. 10.	LUCAS, LEOPOLD DANIEL ..	55 Oxford Gardens, Notting Hill, W.
1892 Apr. 26.	LYNDE, GERALD GASCOIGNE	Buckland, Ashton-on-Mersey.
1892 Jan. 26.	LYON, ERNEST .. .. ..	Milngavie, nr. Glasgow.

Date of Admission.	STUDENTS.
1888 Nov. 20.	MACANDREW, HAROLD .. ..
1892 Nov. 8.	{McCORMICK, CHAS. WM. ALEX. Orr PATERSON .. .. ..
1892 Jan. 26.	MCDONNELL, JNO ALISTER, B.A.
1891 May 5.	McGRIEVE, JAMES CLARK ..
1890 Mar. 11.	MCINTOSH, ALEXANDER ..
1892 Nov. 22.	MACKENZIE, ALEX. RODERICK
1892 Feb. 2.	MACKENZIE, IAN DUNCAN ..
1888 Nov. 13.	MCKENZIE, LESSEL STEPHEN ..
1887 May 24.	McKERROW, JOHN MUIR ..
1892 Dec. 6.	McKERROW, RONALD BRUNLEES
1889 Apr. 9.	McKIE, ERNEST PERCY .. ..
1892 Dec. 20.	MACKINLAY, ANDREW GRIEVE
1890 May 20.	McMAHON, PETER VALENTINE
1892 Nov. 8.	{McMEEKIN, JOHN BUCHANAN MARSHAL .. .. ..
1887 Dec. 20.	McMILLAN, JAMES PETER ..
1887 Feb. 22.	McMINN, ARTHUR CHAS, JUN.
1892 Nov. 1.	{MacTAGGART, NORMAN JOHN CAMPBELL, B.E. .. .. ..
1892 Mar. 1.	MAGILL, JAMES PONSONBY ..
1892 Dec. 20.	MAKOVSKI, ALBERT WATERLOW
1892 Jan. 11.	MALPAS, ARTHUR ERNEST ..
1889 Apr. 16.	{MANNING, GEORGE WM. JOHN EARNEST .. .. ..
1891 Nov. 9.	MANSERGH, WALTER LEAHY ..
1889 Nov. 26.	MARKHAM, CECIL CARY ..
1887 Nov. 8.	MARRINER, WILLIAM WRIGHT
1891 Dec. 8.	MARSDEN, JAMES WHITTAKER
1892 Apr. 5.	MARSH, HAROLD HENRY ..
1893 Mar. 7.	MARSH, JOHN GEORGE RALPH
1892 Feb. 23.	MARSHALL, PERCIVAL .. ..
1890 Feb. 18.	MARSILY, WILLIAM EUGENE ..
1891 May 5.	MARTIN, ERNEST BRANWHITE
1891 Nov. 24.	MARTIN, ERNEST SYDNEY ..
1892 Dec. 6.	MARTIN, JOS. CLARKE COLLINS
1891 Nov. 9.	MASSÉ, ROBT. WM. HY. JOSEPH
1893 May 9.	MATHER, HENRY THOMAS ..
1893 Apr. 11.	MATHESON, EDWARD EWING ..
1886 Nov. 2.	MATHEWS, CHARLES WILLIAM
1886 Apr. 13.	MATTHEWS, JAMES NEWSOME
1893 Feb. 21.	MAUDSLAY, REGINALD WALTER
1886 Dec. 7.	MAWSON, MATTHEW .. ..
1891 Feb. 10.	MEAD, ARTHUR SAMUEL ..
1888 May 1.	MEISCHKE-SMITH, WM., M.Sc.
1893 Jan. 31.	MELI, JOSEPH .. .. ..
1892 Nov. 22.	{MERRY DEL VAL Y ZULUETA, DOMINGO .. .. ..
1889 Nov. 15.	{MEURICOFFRE, GEO. ACHILLES, B.A. .. .. .. ..
1888 Nov. 20.	MILES, HARRY POWELL .. ..
1892 Jan. 11.	MILLAR, ALEXANDER .. ..
1891 Mar. 17.	MILLARD, BERTRAM GEORGE
1887 Dec. 6.	MILLER, WILLIAM AKERMAN ..
1887 Nov. 22.	MILLINGTON, JOHN STOTT ..
1887 Feb. 15.	MINCHIN, HUMPHREY ALEXR.
1892 Nov. 22.	MITCHELL, CLIFFORD .. ..
1892 Nov. 22.	MITCHELL, HUGH HY. GORDON
1891 Jan. 6.	MITRA, NAGENDRANATH, L.E.
1888 Nov. 27.	{MITTELHAUSEN, CHAS. JULIUS ALFRED .. .. .. ..
1892 Feb. 23.	MOLLER, WARDEN APPLEBY ..

G.P.O., Broken Hill, N.S.W.  
168 Holland Road, W.  
The Cedars, Norwood Green, Southall.  
Ellieott, Howard County, Md., U.S.  
Assam-Bengal Ry., Cachar, India.  
Cabarfeidh House, Inverness.  
Société Cockerill, Seraing, Belgium.  
The Warren, Loughton, Essex.  
41 Eccles Old Rd., Pendleton, Man.  
Argyle Lodge, Wimbledon, [chester.  
11 Victoria Street, S.W.  
Levenhall, Musselburgh, N.B.  
195 Clapham Road, S.W.  
M. S. & L. Ry., Lutterworth.  
Waterworks, John Street, Glasgow.  
Western House, Kensal Green, W.  
P. W. D., Water Dept., Sydney, N.S.W.  
[Mayo.  
Glenheather Lodge, Mullranny, co.  
Fairlawn, Redhill. [S.W.  
Royal Coll. of Science, S. Kensington.  
Surv.'s Office, Biggleswade, Beds.  
51 Fitzjohn's Avenue, Hampstd., N.W.  
11 Cleveland Terrace, Darlington.  
12 Hyde Vale, Greenwich, S.E.  
Ruckholt, Hermon Hill, Wanstead.  
Maybank Road, South Woodford.  
33 Great George Street, S.W.  
182 Loughboro' Rd., Brixton, S.W.  
199 Chaussée de Malines, Antwerp.  
Boro' Eng.'s Office, Leeds.  
Royal Indian Eng. Coll., Staines.  
Killesandra, co. Cavan.  
Elmcroft, North Finchley, N.  
Brunswick Lodge, Berrylands, Surbiton Hill.  
14 Clarendon Road, Leeds. [S.E.  
10 St. Aubyn's Rd., Upper Norwood.  
9 St. George's Villas, Doncaster.  
105 Ebury Street, S.W.  
Cornwall Ho., Humber Rd., Bl'k Heath.  
33 Alexandra Rd., Canton, Cardiff.  
Govt. Rys., Tientsin, China.  
46 Newbold Rd., Chesterfield.  
5 South Road, Erith, Kent.  
Stabilimento Armstrong, Pozzuoli, Italy.  
Engineer's Off., Midland Ry., Derby.  
Burgh Eng.'s Office, Edinburgh.  
Roads & Bridges Dept., Sydn'y, N.S.W.  
P. W. Office, Morant Bay, Jamaica.  
1 Concert Place, Buxton.  
Madura, Madras.  
Ossett, Yorks.  
28 Bignor St., Cheetham Hill, M'nel'r.  
P.W.D., Wuntho, Upper Burma.  
28 Wood St., Woolwich.  
Chrys Moller, Sioux City, Iowa, U.S.

Date of Admission.	STUDENTS.	
1892 Nov. 1.	MONCUR, GEORGE .. .. ..	Sidlaw View, co. Angus.
1890 Mar. 4.	MONKHOUSE, GEORGE ARTHUR .. .. ..	82 Carlisle Mans., Victoria St., S.W.
1892 Mar. 15.	MONTGOMERIE, ROBERT .. .. ..	131 West Regent Street, Glasgow.
1889 Mar. 5.	MOON, EDWIN JOHN .. .. ..	165 Camberwell New Road, S.E.
1886 Dec. 7.	MOORE, ARTHUR FORD PILCHER .. .. ..	Stanley House, Windsor.
1891 Jan. 20.	MOORE, GODFREY WILSON .. .. ..	M. S. & L. Ry., Chesterfield.
1890 Nov. 18.	MOORE, WILLIAM GOSLING .. .. ..	Eckersley, Godfrey & Liddelow, { Grande Maison Mélas, Athens.
1893 May 9.	MORE, JOHN RHYNS .. .. ..	Grafton Villa, Rondebosch. Cape
1892 Nov. 8.	MORTIN, ARCHIBALD HENRY .. .. ..	P.W.D., Madras. [Colony.
1893 Apr. 25.	MORRIS, HARRY .. .. ..	St. Saviours Road, Jersey.
1892 Dec. 6.	MORRIS, JOHN TURNER .. .. ..	13 Somers Place, Hyde Pk. Sq., W.
1887 Feb. 8.	MORRIS, WILLIAM VANE .. .. ..	36 Beverley Rd., Anerley, S.E.
1893 Feb. 21.	MORRISON, RALPH PERCY .. .. ..	F. W. Walker, Hunslet, Leeds.
1891 Feb. 10.	MORTON, HUGH JAMES .. .. ..	Ardbeg, Cambuslang, Glasgow.
1890 Apr. 29.	MOTLEY, PHILLIPS BATHURST .. .. ..	Canadian Pacific Ry., Montreal.
1886 Dec. 21.	MOUNT, JOHN CHAPMAN .. .. ..	The Ridleys, Wennington, Lancaster.
1891 Dec. 8.	MUGLISLTON, HAROLD .. .. ..	Ockbrook, Derby.
1890 Dec. 2.	MUMME, ERNEST CHAS. ADAMS .. .. ..	30 Newark Street, Greenock, N.B.
1889 May 14.	MUSGRAVE, H.Y. AR. FITZHERBERT .. .. ..	Furzebank, Torquay.
1889 Jan. 22.	MUSPRATT, WALTER ELPHINSTONE .. .. ..	Renmark, South Australia.
1891 Jan. 27.	MYBURGH, HENRY HAWKINS .. .. ..	Fairholm, Wynberg, Cape Town, C.C.
1892 May 24.	NAPIER, GEORGE .. .. ..	11 Heriot Row, Edinburgh.
1889 Mar. 26.	NASH, WILLIAM GEORGE JUN. .. .. ..	19 Priory Rd., So. Lambeth, S.W.
1886 Dec. 7.	NATHAN, FRANK EDWD. BERRA .. .. ..	34 Alzaja Pavese, Milan, Italy.
1892 Dec. 20.	NELSON, GEORGE .. .. ..	38 Queen's Road, Norwich.
1893 Mar. 7.	NEWTON, EDWIN BRIERLEY .. .. ..	City Surv.'s Office, Carlisle.
1892 Feb. 23.	NIBLETT, HERBERT HENRY .. .. ..	111 Bow Road, E.
1890 Jan. 21.	NICHOLL, JOHN CLARIDGE .. .. ..	{ J. T. Helliwell, London Rd., Hazel Grove, nr. Stockport.
1892 Jan. 26.	NICHOOLS, CHARLES BERESFORD .. .. ..	P.W.D., Hobart, Tasmania.
1889 Nov. 5.	NICOLLS, ARTHUR OLIVER .. .. ..	Albany, Western Australia.
1893 Jan. 17.	NOLAN, THOMAS RICHARD, B.A. .. .. ..	Salt Hill, Mount Charles, Donegal.
1891 Apr. 21.	NYE, ARTHUR WILLIAM .. .. ..	Earle's Shipbuilding Co., Hull.
1888 Oct. 30.	OAKES, CHARLES SHELLEY .. .. ..	16 Euston Square, N.W.
1892 Dec. 6.	OAKLEY, ERNEST JOHN .. .. ..	Ede Bros., Silchar, Cachar, India.
1891 Dec. 1.	OGILVIE, FK. DOUGLAS WALKER .. .. ..	Blenholme, New Barnet.
1888 Nov. 20.	O'HARA, JAS. GEOFFRIE MUSGRAVE .. .. ..	P.W.D., Gauhati, India.
1891 Nov. 24.	OLLEY, CHARLES HENRY .. .. ..	Ry. Killybegs, co. Donegal, [Ceylon.
1890 Feb. 4.	ORFORD, HENRY JAMES .. .. ..	19 Railway Av., Maradana, Colombo,
1888 Nov. 13.	OSBORNE, FREDERICK CHARLES .. .. ..	{ Northstead, Christchurch Rd., Tulse Hill, S.W.
1891 May 12.	PAGE, FRANK WATTS .. .. ..	Heatherbank, Woburn Sands.
1892 Nov. 29.	PAGE, FREDERICK SALKELD .. .. ..	111 Bow Road, E.
1889 Feb. 5.	PAGE, SYDNEY Elliott, Wh. Se. .. .. ..	F. Ashwell, Sycamore Lane, Leicester.
1892 Nov. 29.	PALLISER, WILLIAM ARTHUR .. .. ..	Town Hall, Nuneaton.
1891 Mar. 17.	PARKIN, ERNEST .. .. ..	Springfield, Liversedge, Yorks. [S.W.
1890 Apr. 22.	PARKMAN, PHILIP GEORGE WIL. .. .. ..	Surv.'s Office, Bell Lane, Wandsworth,
1889 Dec. 10.	PAULSON, JAMES CHRISTIAN .. .. ..	Delhi & London Bank, Calcutta.
1891 Nov. 24.	PEARCE, EDWARD NATHANIEL .. .. ..	231 High Street, Brentford.
1892 Jan. 11.	PEARSON, KENNETH RAMSAY .. .. ..	171 Fenton Rd., Clapham Rd.,
1892 Feb. 2.	PEDLEY, PHILIP .. .. ..	Precott, Arizona, U.S. [S.W.
1893 Feb. 21.	{ PEEL, ALFRED MICHAEL JOHN RUSSELL .. .. ..	Wormley, Herts.
1889 May 14.	PERCIVAL, HAROLD STANLEY .. .. ..	27 Beckenham Rd., Beckenham.
1891 Dec. 8.	PETERS, NEIL JAMES .. .. ..	Waterworks Office, Southampton.

Date of Admission.	STUDENTS.	
1892 Jan. 11.	PICKEN, GEORGE ARTHUR ..	
1886 Mar. 16.	PINCHING, EDWARD ..	
1892 Jan. 26.	PITTAR, GEORGE FRANCIS ..	
1891 Nov. 9.	POLLOCK, JAMES, JUN. ..	
1892 May 21.	POLWHITE, JOHN ARCHIBALD ..	
1888 Jan. 17.	POOLE, WILLIAM ..	
1889 Feb. 12.	POOLEY, HUBERT ..	
1891 Nov. 24.	{ POTHAM, WM. VYVYAN MOLES- WORTH .. .. .. .. ..	
1888 Nov. 13.	PORTSMOUTH, JOHN ..	
1890 Nov. 18.	POULDEN, GEO. EDWD. LUTHER ..	
1888 Feb. 21.	POWNALL, JOHN ..	
1887 Oct. 25.	PREBBLE, ERNEST ..	
1889 Feb. 12.	PREECE, ARTHUR HENRY ..	
1889 Dee. 3.	PRESTON, FREDERICK CHARLES ..	
1887 Apr. 19.	PREW, EDWARD JOHN ..	
1892 Nov. 29.	PRICE, JAMES HENRY ..	
m 1891 Feb. 10.	PRITCHARD, PHILIP MORRIS ..	
1891 Nov. 9.	PULLEINE, JOHN JAMES ..	
1888 Jan. 24.	QUODLING, WILLIAM JAMES ..	
1893 Feb. 7.	RAFAREL, CHARLES JOHN ..	
1893 May 16.	{ RAMIAH, GANAPTHY SWANEY- IYE, B.C.E., B.A. ..	
1888 Nov. 27.	RANKEN, ARTHUR WILLIAM ..	
1889 Dee. 10.	Raphael, Francis Charles ..	
1887 May 17.	RATHBONE, ACHESON LYLE ..	
1887 Nov. 8.	RAVES, BRIAN ALBERT ..	
1891 May 5.	REDFERN, CHARLES GEORGE ..	
1887 May 3.	REESON, JOSEPH NEWELL ..	
1888 Nov. 20.	REID, ROBT. NEWBY HARTLEY ..	
m 1889 Nov. 26.	REYNOLDS, F.K. PAUL ..	
1890 Feb. 18.	RICKARD, JOHN LUCAS ..	
1890 Dee. 9.	RIDGWAY, REG. FREDK. ERNST ..	
1890 Nov. 11.	RIGBY, EDWARD HULME, B.Sc. ..	
1891 Nov. 3.	ROBERTS, ALFRED HENRY ..	
1893 Feb. 14.	ROBERTS, DAVID OWEN ..	
1890 Nov. 11.	ROBERTS, GERVASE HENRY ..	
1886 Dec. 7.	ROBERTS, GRIFFITH ..	
1892 Nov. 1.	ROBERTS, JAMES WALLER, B.E. ..	
1892 Jan. 11.	ROBERTSON, ALEX. GORDON ..	
1891 May 12.	ROBERTSON, HENRY CHARLES ..	
1891 Feb. 10.	ROBERTSON, THOMAS BARCLAY ..	
1886 Dec. 7.	ROEINS, FREDERICK SANDERSON ..	
1888 Nov. 13.	ROBINSON, JOSEPH PETER ..	
1890 Nov. 18.	ROBINSON, KEITH ..	
1892 Nov. 8.	RODDA, EDWARD CHARLES ..	
1893 Mar. 7.	ROGERS, ARTHUR EDWARD, B.A. ..	
1888 Mar. 13.	ROGERS, GEO. SAMUEL WYON ..	
1887 Dec. 6.	ROME, JOHN CHRISTOPHER ..	
1888 Feb. 7.	ROOKE, THOMAS ..	
1891 Nov. 3.	ROTTER, EDWD. RICHD. ERNEST ..	
1891 Apr. 21.	ROUSE, FRANCIS JAMES ..	
1889 Mar. 19.	ROYLE, FREDERICK MURRAY ..	
1889 Jan. 22.	RUNDALL, WM. HARRY ..	
1892 May 17.	RUSSELL, ALEX. GORDON ..	
1890 Dec. 16.	RUSSELL, HENRY FRANCIS ..	
1887 Apr. 19.	RUTTER, CHARLES HERBERT ..	
	12 Hill Park Crescent, Plymouth. 36 Honeywell Road, Wandsworth 48 Hungerford Road, N. [Com., S.W. Woodside Station, Birkenhead. Polwhele, Truro. 87 Pitt St., Redfern, Sydney, N.S.W. Gasworks, Dunfermline, N.B. Huntworth, Bedford. 6 Gt. College St., Westminster, S.W. Clarence Ho., Wilton Ter., Southsea. P.O., Wilmington, Delaware, U.S. Eng.'s Office, L. & N. W. Ry., Euston, 39 Victoria Street, S.W. [N.W. P O., M'lbourne, Victoria. Casilla 145, Lima, Peru. 24 York Street, Ruucorn. 56 Leazes Ter., Newcastle-on-Tyne. Stanhope Rectory, Darlington.	
1888 Jan. 24.	QUODLING, WILLIAM JAMES ..	Couranga, Strathfield, N.S.W.
1893 Feb. 7.	RAFAREL, CHARLES JOHN ..	Glencaeid, Cwmbran, Mon.
1893 May 16.	{ RAMIAH, GANAPTHY SWANEY- IYE, B.C.E., B.A. ..	Ganapathiagraham, Iyempet, Tan- jore, Madras. [Back, Bristol.
1888 Nov. 27.	RANKEN, ARTHUR WILLIAM ..	Electric Lighting Station, Temple
1889 Dee. 10.	Raphael, Francis Charles ..	10 PEMbridge Cres., W.
1887 May 17.	RATHBONE, ACHESON LYLE ..	Green Bank, Liverpool.
1887 Nov. 8.	RAVES, BRIAN ALBERT ..	Welwyn, Herts.
1891 May 5.	REDFERN, CHARLES GEORGE ..	122 Bethune Rd., Stamford Hill, N.
1887 May 3.	REESON, JOSEPH NEWELL ..	5 Boyne Terace, Notting Hill, W.
1888 Nov. 20.	REID, ROBT. NEWBY HARTLEY ..	33 Montpellier Crescent, Brighton.
m 1889 Nov. 26.	REYNOLDS, F.K. PAUL ..	Philippine Islands.
1890 Feb. 18.	RICKARD, JOHN LUCAS ..	Promenade Pier, Dover. [E.C.
1890 Dee. 9.	RIDGWAY, REG. FREDK. ERNST ..	J. Livesey & Son, Broad St. Avenue,
1890 Nov. 11.	RIGBY, EDWARD HULME, B.Sc. ..	Elton, Aintree, Liverpool.
1891 Nov. 3.	ROBERTS, ALFRED HENRY ..	407 Norwood Road, S.E.
1893 Feb. 14.	ROBERTS, DAVID OWEN ..	25 Fopstone Rd., Earl's Court, S.W.
1890 Nov. 11.	ROBERTS, GERVASE HENRY ..	15 Ramsbottom Road, Horwich.
1886 Dec. 7.	ROBERTS, GRIFFITH ..	Portmadoc, North Wales. [N.S.W.
1892 Nov. 1.	ROBERTS, JAMES WALLER, B.E. ..	11 Gordon St., Burwood, Sydney,
1892 Jan. 11.	ROBERTSON, ALEX. GORDON ..	4 Woodstock Avenue, Bristol.
1891 May 12.	ROBERTSON, HENRY CHARLES ..	Sirhind Club, Umballa, Punjab.
1891 Feb. 10.	ROBERTSON, THOMAS BARCLAY ..	The Gables, East Bergholt, Suffolk
1886 Dec. 7.	ROEINS, FREDERICK SANDERSON ..	(10 Holden Vils., Loughboro' Rd., Leicester.
1888 Nov. 13.	ROBINSON, JOSEPH PETER ..	36 York Rd., Birkdale, Southport.
1890 Nov. 18.	ROBINSON, KEITH ..	13 Victoria Street, S.W.
1892 Nov. 8.	RODDA, EDWARD CHARLES ..	Waterworks Eng.'s Office, Cardiff.
1893 Mar. 7.	ROGERS, ARTHUR EDWARD, B.A. ..	Riverhill, Sevenoaks.
1888 Mar. 13.	ROGERS, GEO. SAMUEL WYON ..	Esquimalt, Worple Rd., Wimbledon.
1887 Dec. 6.	ROME, JOHN CHRISTOPHER ..	15 Lanhill Rd., Elgin Avenue, W.
1888 Feb. 7.	ROOKE, THOMAS ..	Weldon Grange, Corby, Kettering.
1891 Nov. 3.	ROTTER, EDWD. RICHD. ERNEST ..	23 Victoria Rd., Gipsy Hill, S.E.
1891 Apr. 21.	ROUSE, FRANCIS JAMES ..	Melton Constable.
1889 Mar. 19.	ROYLE, FREDERICK MURRAY ..	Guildhall, Nottingham. [Mexico.
1889 Jan. 22.	RUNDALL, WM. HARRY ..	Quicksilver Mines, Guadaleazar,
1892 May 17.	RUSSELL, ALEX. GORDON ..	Elm Cottage, Ouchan, Isle of Man.
1890 Dec. 16.	RUSSELL, HENRY FRANCIS ..	City Engineer's Office, Liverpool.
1887 Apr. 19.	RUTTER, CHARLES HERBERT ..	Gas Co., Hove, Brighton.

Date of Admission.	STUDENTS.	
1892 Mar. 29.	SALWEY, ROGER .. .. ..	13 Southgate Street, Winchester.
1889 Mar. 5.	SARGENT, HARRY LIONEL ..	{Companhia de Mozambique, Umtali, East Africa.
1892 Apr. 26.	SATTERTHWAITE, CHAS. GEOFF.	The Vicarage, Disley, Stockport.
1891 Jan. 13.	SAVILLE, LEOPOLD HALLIDAY ..	New Entrance, Tyne Dock, S. Shields.
1890 Jan. 21.	SAWHNEY, BIAGAT RAM ..	Hirpa Ram & Bros., Rawal Pindi,
1891 Nov. 9.	SCARFE, GEORGE NORMAN ..	Fusely House, Finchley, N. [India.
1888 Feb. 21.	SCHÄFER, FREDERICK JACOB ..	F. J. Andres, 25 Pearl St., New York,
1890 Feb. 4.	SCHÜTTE, FRAS. ALBERT BASIL	16 Clarence Road, Kew. [U.S.
1888 Nov. 20.	SCHWARTZ, ALFRED .. .. ..	Ivy House, Woolford, Essex.
1889 Jan. 22.	SCONCE, HY. ARCHIBALD KERR	B. B. & C. I. Ry., Bombay. [Andria.
1891 Apr. 14.	SCOTT, JOHN ARCHIBALD ..	Whitehall, Mandara Station, Alex-
1886 Nov. 23.	SCOVELL, WALTER NITHSDALE	444 Claremont Av., Chicago, U.S.
1887 Jan. 11.	SCRUTTON, LINDSAY .. .. ..	J. M. Restrepo, Honda, U.S. Colombia.
m 1888 Apr. 10.	SEALY-ALLIN, AURIOL .. .. ..	52 Woodstock Rd., Bedford Pk., W.
1891 Mar. 3.	SEARS, ROBERT HUMPHRY, Jun.	West Highland Ry., Rosedale, N.B.
1890 Dec. 2.	SEAVILL, LEONARD CROWLEY ..	Durlstone, Spencer Rd., S. Croydon.
1891 Nov. 9.	SEGRAIS, PAUL LE JUGE DE ..	Asst. Eng. to Govt. Mauritius.
1887 Dec. 20.	SHAKOOR, NAJEEB MANSOOR ..	Ry. Dist. Eng., Minia, Upper Egypt.
1891 Mar. 3.	SHAW, GEORGE .. .. ..	134 Nantwich Rd., Crewe.
1891 Nov. 9.	SHAW, WILLIAM BARBOURE ..	{West Highland Ry., Fort William,
m † 1888 Apr. 10.	SHEFFIELD, GEORGE HARRISON	N.B. [Tyne.
1892 Jan. 26.	SHEFFIELD, JOHN NEWTON ..	15 Warrington Rd., Newcastle-on-
1887 Dec. 6.	{SHEIELDS, FRANCIS ERNEST WENTWORTH- .. .. ..	6 Delahay St., Westminster, S.W.
1891 Nov. 9.	SHELFORD, FREDC., B.Sc. Lond.	Dock Office, Southampton.
1888 Nov. 20.	SHENTON, HY. CHAWNER HINE	35A Great George St., S.W.
1889 Dec. 10.	SHEPHERD, JOSEPH .. .. ..	Longton Avenue, Sydenham Hill, S.E.
1893 Apr. 18.	SHIELD, JOHN THOMAS .. ..	71 Albion St., Leeds. (Energy, Leeds.)
1892 Nov. 22.	SHIELDS, WM. HERBERT, B.Sc.	Municipal Offices, Blackburn.
1892 Nov. 22.	SHORT, FREDERICK MARTIN ..	Perth, Western Australia.
1889 Dec. 17.	SHORTLAND, CHAS. VINCENT NIXON	1 Priole Road, Old Charlton, S.E.
1891 Mar. 24.	SIBOLD, CHARLES WILLIAM ..	Claremont, Croydon Rd., Anerley, S.E.
1892 Apr. 12.	SIKES, ROBERT CHERRY, B.E.	Mammatt & White, 1 Albion Pl., Leeds.
1888 Dec. 18.	SIMPSON, CHARLES EDWARD ..	45 Torrington Square, W.C.
1892 Dec. 20.	SIMPSON, HORACE FARR .. ..	30 The Green, Stratford, E.
1889 Apr. 16.	SIMPSON, WILLIAM .. .. ..	4 Marks Rd., Lincoln. [Chester.
1890 Nov. 18.	SIMSON, JOHN MILES .. .. ..	Eng.'s Office, L. & Y. Ry., Man-
1886 Dec. 21.	SINNOTT, EDWARD STOCKLEY	36 Great George St., S.W.
1889 Nov. 26.	SISSON, NORMAN .. .. ..	15 Beaufort Rd., Clifton, Bristol.
1892 Jan. 26.	SLADE, ROBERT HOLROYD ..	Gresford, Denbighshire.
1890 Nov. 18.	SLATER, ERIC ARNOLD .. ..	14 Springfield Mount, Leeds.
1889 Jan. 8.	SLATER, JOSEPH .. .. ..	17 Winchester Rd., Colchester.
1891 Jan. 13.	SLOPER, ERNEST WILLMOTT ..	City Surveyor's Office, Manchester.
1887 Nov. 8.	SMITH, ALEX. AR. DALRYMPLE	Fore St., Kingsbridge, So. Devon.
1888 May 1.	SMITH, CHARLES CLEMESHA ..	The Oaks, Sunderland. [Leeds.
1887 Feb. 15.	SMITH, HAROLD DUKE .. ..	24 Monkbridge Rd., Headingley,
1888 Mar. 20.	SMITH, HARRY COLVIN .. ..	Eng.'s Off., G. W. Ry., Paddington,
1888 Mar. 27.	SMITH, HY. VAUGHAN CRAWFURTH	5 Cresswell Gardens, S.W. [W.
1893 Jan. 31.	SMITH, JONAH WALKER .. ..	119 Elgin Crescent, Notting Hill, W.
1892 Feb. 2.	SMITH, THOMAS, B.E. .. ..	Ash Lodge, Watford.
1891 May 5.	SMITH, VINCENT .. .. ..	Corballis Ho., Donabate, co. Dublin.
1893 Jan. 10.	SMITH, WILLIM SIDNEY .. ..	Nesham Place, Houghton-le-Spring.
1889 Feb. 26.	SMITH, WILLIAM WARREN ..	Ash Lodge, Watford.
1893 Jan. 24.	SNELL, JN. FRANCIS CLEVERTON	Garstone Park, Godstone, Surrey.
1889 Nov. 26.	{SOBEE, FERDINAND AUGUSTUS VON .. .. .. ..	85 Peterboro' Road, Fulham, S.W.
1891 Nov. 9.	SOPER, ROBERT LEWIS .. ..	3 Belvedere Rd., Princes Park, Liver-
1888 Feb. 7.	SPARKS, JAS. NOËL, B.A. .. ..	pool.
1887 Dec. 20.	SPENCE, WILFRID L. .. ..	Roseneath, Wanstead, E.
1887 Apr. 26	{SPENCER, LEONARD GRANTLEY PAOLI .. .. .. ..	12 Keir St., Pollokshields, Glasgow.
		London Rd. Ironworks, Glasgow.
		Assam-Bengal Ry., Silchar, Assam

Date of  
Admission.

## STUDENTS.

1892 Dec. 6.	{ SPENCER - STANHOPE, PHILIP BERTIE, B.A. .. .. .. }	Cannon Hall, Barnsley.
1893 Jan. 31.	SQUIRE, GEORGE FREDERICK ..	University College, W.C.
1889 Feb. 19.	STALLARD, SIDNEY .. .. ..	Barming, Maidstone.
1891 Apr. 14.	STAMP, CHARLES .. .. ..	The Willows, Sunderland.
1889 Jan. 22.	STANDLEY, ALFRED WM. EVANS ..	Betwa Canal, Orai, N.W.P., India.
1891 Nov. 24.	STANFORD, FREDK. OWEN ..	Ship Canal, Eng.'s Office, Manchester.
1891 Nov. 24.	STAPLETON, BRYAN .. .. ..	Royal Indian Eng. Coll., Staines.
1892 Feb. 2.	STATHAM, HUGH WORTHINGTON ..	Roads Office, North Sydney, N.S.W.
1891 Nov. 9.	STATHAM, WM. BLACKWALL ..	Linde Eismaschinen Gesellschaft, Wiesbaden.
1892 Nov. 29.	STENNING, HENRY ALEXANDER ..	76 St. George's Road, S.W. [N.S.W.]
1892 Nov. 1.	STEPHENS, CHARLES THOS., B.E. ..	Llandaff St., Waverley, Sydney,
1888 Nov. 13.	STEPHENS, HOLMAN FRED. ..	Eng.'s Office, Horsmonden, Kent.
1889 Dec. 10.	STEPHENS, JOHN BARTON ..	8 Clarinda Park E., Kingst'n, Dublin.
1886 Mar. 16.	STEPHENSON, RALPH HARRY ..	67 St. George's Square, S.W.
m 1892 Jan. 11.	STEVEN, JOHN WILSON ..	80 Union Rd., Clapham, S.W.
1892 Nov. 22.	STEVENSON, GEO. HAROLD, B.Sc. ..	72A George St., Edinburgh.
1892 Dec. 6.	STEVENSON, RONALD COCHRAN ..	33 Devonshire Place, W.
1888 Apr. 10.	STILL, ALFRED .. .. ..	Bow Green Farm, Bowdon, Cheshire.
1892 Nov. 1.	STIMPFSON, JAMES FREDK. ALEX. ..	44 Islington Row, Birmingham.
1891 Feb. 10.	STIRLING, JAMES LINDSAY ..	Kilmardinny Cott., Milngavie, N.B.
1889 Nov. 26.	STOKER, GILBERT .. .. ..	L. & N. W. Ry., Eng.'s Off., Walsall.
1891 Nov. 9.	STOKES, FRANK TORRENS ..	51 Parkhurst Rd., Holloway, N.
1890 Nov. 25.	STONES, WILLIAM GRIMSHAW ..	Lovely Hall, Blackburn.
1888 Nov. 13.	STONEY, EDWARD DUNCAN ..	Waterside Ironworks, Ipswich.
1892 Dec. 6.	STORY, PHILIP FRANCIS ..	Balmain, Highgate, N.
1889 Mar. 5.	{ STOURTON, ATHELSTANE PHILIP JOSEPH .. .. .. .. .. }	9 Bella Vista, Rio Tinto, Spain.
1890 Nov. 18.	STOWELL, HUGH .. .. ..	Boro' Engineer's Office, Salford.
1888 Feb. 7.	STRAPP, CHARLES LEÓPOL. ..	Ladbroke, Redhill.
1892 Jan. 11.	{ STREATFEILD, GREY HUGH MORVILLE .. .. .. .. .. }	P.W.D., Roorkee, India.
1888 Nov. 13.	STREATFEILD, HUGH SIDNEY ..	Leechmere House, Sunderland.
1893 Jan. 17.	STRETTLE, WILLIAM STRATFORD ..	{ The Metropole, Bourke St., Melbourne, Victoria.
1888 Jan. 31.	STRIDE, HERBERT WALTER ..	L. T. & S. Ry., Hornchurch, Essex.
1891 Nov. 9.	STRUEN, ARTR. MARINUS ALEX. ..	Rosebank, Cape Colony.
1892 Nov. 29.	STUART, ARTHUR REGINALD ..	Mrs. Elwis, Spital Ter., Gainsboro'.
1891 Nov. 9.	STUART, FREDERIC .. .. ..	No. Staffs. Ry., Stoke-on-Trent.
1893 Feb. 21.	STURROCK, JOHN, Jun. ..	Howard St., Kilmarnock, N.B.
1892 Nov. 29.	SULLIVAN, WILLIAM ..	Royal Indian Eng. Coll., Staines.
1891 Nov. 9.	SUNDERLAND, CHARLIE HARKER ..	Oakleigh Cottage, Clayton, Yorks.
1888 Feb. 7.	SUTCLIFFE, FREDERICK WM. ..	Taiping, Perak, S.S.
1889 Mar. 5.	SUTCLIFFE, JOHN .. .. ..	Boro' Surv.'s Office, Warrington.
1887 Feb. 22.	{ SUTHERLAND, RONALD CAEM- MERER .. .. .. .. .. }	Strathnaver, Eaton Road, Sutton, Surrey.
1890 Apr. 29.	SWAN, HERBERT ARTHUR, Jun. ..	{ Lynx Creek Gold Co., Prescott, Arizona, U.S.
1890 Nov. 25.	SWIFT, FRANK WILLIAM ..	20 Basset St., Camborne, Cornwall.
1892 Mar. 15.	TAYLOR, FREDERICK HENRY ..	14 Darenth Rd., Stamford Hill, N.
1892 May 24.	TAYLOR, JOHN CHARLES ..	20 Sangora Rd., New Wandsw'th, S.W.
1888 Apr. 10.	TAYLOR, NORMAN MAUGHAN ..	3 Clarendon Place, Hyde Park, W.
1891 Feb. 10.	THOMAS, WILLIAM MATTHEWS ..	Assam-Bengal Ry., Feni, Bengal.
1888 Nov. 27.	THONISON, CHARLES WILSON ..	St. Paul's Vicarage, Blackburn.
1892 Nov. 29.	THOMPSON, CYRIL HANSON ..	40 Leazes Ter., Newcastle-on-Tyne.
1888 Oct. 30.	THOMPSON, JOHN .. .. ..	73 Brackenbury Rd., Preston. [Tyn.
1892 Nov. 22.	THOMPSON, JOHN, Jun. .. .. ..	Post Office Chambers, Newcastle-on-
1887 Dec. 6.	THOMPSON, JOHN BAIRD .. .. ..	Ponsonby Terrace, Auckland, N.Z.
1889 Nov. 5.	THOMPSON, JOHN EDWD. OAKES ..	Eng.'s Office, Midland Ry., Derby.

Date of Admission.	STUDENTS.	
1888 Feb. 14.	THORNTON, STANHOPE EVELYN	Morsey Ry., Central Stat., Birkenhead.
1890 Nov. 18.	THORNCROFT, JOHN EDWARD	Eyot Villa, Chiswick Mall, W. [W.
1890 Nov. 18.	THIOP, RICHARD FENWICK ..	25 Abingdon Mansions, Kensington.
1890 Apr. 29.	THORPE, ARTHUR NOEL ..	State Eng., Dhôlpur, Central India.
1887 Mar. 15.	TIPLADY, RICHARD CLEMENT ..	São Francisco Ry., Calcada, Brazil.
1890 Mar. 18.	TODD, REGINALD .. .. ..	Jodhpur, Rajputana, India.
1892 Jan. 11.	TONGE, HAROLD ASHETON ..	Royal Indian Eng. Coll., Staines.
1890 Nov. 25.	TONGE, JOHN HENRY .. ..	National Electric Supply Co., Preston.
1893 Mar. 7.	TOPHAM, JOHN WILLIAM ..	33 Great George Street, S.W.
1887 Oct. 25.	TRAGETT, THOMAS HEATHCOTE ..	Awbridge Danes, Romsey, Hants.
1893 Mar. 21.	{ TRENCH, ERNEST FREDERIC .. .. ..	} 1 South Cres., Bedford Square, W.C.
	{ CROSBIE, B.A. .. .. ..	Eng. Society, King's College, W.C.
1893 Mar. 7.	TRILL, STEPHEN FINDLAY ..	Asst. Supt. of Telegraphs, Calcutta.
1891 Feb. 10.	TRUNINGER, LIONEL .. ..	66 Sydney St., Chelsea, S.W.
1891 Feb. 10.	TURNER, ARCHIE .. .. ..	1 Victoria Street, S.W.
1886 May 18.	TYACKE, FRANCIS HERBERT ..	
1891 Nov. 9.	{ TYNDALE-BISCOE, GEORGE WM. .. .. ..	Holton Park, Oxford.
	{ TYNDALE .. .. .. ..	
1891 Nov. 9.	UMNEY, HERBERT WILLIAMS ..	Eardley Ho., Lawrie Pk., Sydenham,
1887 Feb. 22.	UNDERHILL, WALTER ROBERT ..	1 Warwick Rd., Maida Hill, W. [S.E.
1887 Feb. 1.	UNDERWOOD, WM. ELPHINSTONE ..	Calicut, Malabar, India.
1891 Nov. 3.	VAIZEY, JOHN LEONARD .. ..	6 Grove Crescent, Stratford, E.
1890 Nov. 18.	VALLANCE, BERTRAM .. ..	Deanery, Romford Rd., Stratford, E.
1887 Nov. 22.	VAUGHAN, HENRY HAGUE ..	G. N. Ry., St. Paul, Minn., U.S.
1888 Nov. 13.	VAUGHAN-LEE, ALEC GEORGE ..	Harbour Works, Dover. [Glasgow.
1892 Jan. 11.	VENTERS, WM. BEATTIE, B.Sc. ..	Crouch & Hogg, 175 Hope Street,
1892 Jan. 26.	VERNET, CHARLES CONSTANT ..	The Grange, East Sheen, S.W.
1887 Apr. 19.	VERRALL, RICHARD PERCY ..	Fulmer Court, near Lewes, Sussex.
1889 Feb. 5.	VICKERS, THOMAS .. .. ..	City Eng.'s Off., Bower Spring, Shef-
1891 Nov. 3.	VIGERS, ARTHUR EVAN .. ..	Dane House, Denmark Hill, S.E. [field.
1891 Nov. 9.	VILLIERS, STUART MAURICE ..	Royal Indian Eng. Coll., Staines.
1892 Nov. 22.	VOLCKMAN, GEORGE WILLIAM ..	Ship Canal, Runcorn.
1886 Mar. 30.	WADE, HENRY JAMES SEATON ..	M. S. & L. Ry., Lutterworth.
1889 Mar. 26.	WADE, JAMES SCARGILLE ..	Cecil St., Ashfield, N.S.W.
1891 Nov. 9.	WALES, WILLIAM GARNYS ..	Surrey Commercial Docks, Rother-
1890 Jan. 21.	WALKER, ARCHIBALD EDWARD ..	166 Peckham Rye, S.E. [hithe, S.E.
1889 Mar. 19.	WALLER, BERTRAM BRAUND ..	Forest Lodge, Eltham.
1887 Nov. 8.	WALLER, CHARLES JAS. POWER ..	Clarence Road, Clapham Park, S.W.
1889 Mar. 26.	WALTERS, JOHN HUTH .. ..	11 Belsize Cres., Hampstead, N.W.
1891 Nov. 24.	WALTON, HORACE REGINALD ..	King, King & Co., Bombay.
1889 Mar. 19.	WARREN, HAROLD .. .. ..	The Priory, St. Ives, Hunts. [diff.
1893 May 16.	WARREN, HY. BONIFINT GORDON ..	Loco. Supt.'s Office, Taff Vale Ry., Car-
1892 Nov. 22.	WATKIN, RALPH .. .. ..	96 Brixton Road, S.W.
1891 Dec. 8.	WATSON, ARTHUR .. .. ..	Halliwell Lane, Cheetham Hill, Man-
1891 Nov. 24.	WATSON, FRANK LESLIE ..	49 Springfield Pl., Leeds. [chester.
1889 Nov. 15.	WATSON, GEORGE .. .. ..	49 Springfield Pl., Leeds.
1891 Nov. 9.	WATSON, JOHN WILLIAM ..	42 Abingdon M'ns'n, Kensington, W.
1891 Nov. 9.	WATSON, LEONARD KINGSLEY ..	1 Farquharson Road, Croydon.
1892 Dec. 6.	WATSON, THOMAS AUBREY ..	1 Farquharson Road, Croydon.
1892 Feb. 23.	WATT, THOMAS HARKNESS ..	160 Hope Street, Glasgow.
1891 Nov. 3.	WAY, ARTHUR GEORGE ..	Stanmer, Argyle Rd., Ealing, W.
1890 Jan. 21.	WEBB, WILFRED LE PLASTRIER ..	8 Southe St., Nottingham.
1891 May 5.	WEIR, WILLIAM PARK .. ..	Carrbridge, by Aviemore, N.B.
1891 Nov. 9.	WELTON, WILLIAM SMART ..	2 Queen Square Place, S.W.
1890 Apr. 1.	WHEATLEY, ARTHUR JOHN ..	8 High St., Harborne, Staffs.
1888 Jan. 17.	WHEATLEY, HENRY LAWRENCE ..	Improvement Co., Caixa 403, Rio de
1892 Jan. 26.	WHEELER, CHAS. FORDYCE, B.A. ..	59 Donegal Pass, Belfast. [Janeiro.

Date of Admission.	STUDENTS.
1891 Feb. 24.	WHEELER, GEO. UZZIAH, Wh.Sc.
1892 May 17.	{ WHEELER, HUBERT DICKENSON TALBOYS .. .. ..
1893 Feb. 21.	WHETHAM, STEPHEN LLOYD ..
1888 Nov. 20.	WHITE, HENRY THOMAS ..
1892 Nov. 22.	WHITE, WILLIAM HERBERT ..
1890 Nov. 18.	WHITEFORD, ERIC HAMILTON ..
1888 Dec. 18.	WHITELAW, JOHN, Jun. ..
1892 Mar. 15.	WHITWHAM, SYDNEY ..
1892 Apr. 26.	WIHTWORTH, SAMUEL ..
1891 Feb. 17.	WICKHAM, PERCY FREDERIC ..
1891 Nov. 9.	WILD, ROLAND CECIL ..
1890 Mar. 18.	WILDISH, REGINALD GEORGE ..
1892 Jan. 11.	WILLIAMS, ARTHUR EDWD., B.A.
1890 Dec. 2.	WILLIAMS, ARTHUR JOHN ..
1891 Nov. 17.	WILLIAMS, GEORGE BRANSBY ..
1892 Nov. 29.	WILLIAMSON, ALFRED ARTHUR ..
1890 Apr. 22.	{ WILLIOTT, HERBERT MORTON, F.C.H. .. .. ..
1891 Nov. 3.	{ WILLOUGHBY, PERCIVAL ROBT. AUGUSTUS .. .. ..
1891 Nov. 3.	WILMHURST, AR. CHAS. JAMES ..
1890 Nov. 18.	WILSON, BENJAMIN LEONARD ..
1892 Jan. 11.	WILSON, CHARLES WALKER ..
1890 Nov. 18.	WILSON, NORMAN FORSTER ..
1891 Jan. 13.	{ WILSON, NORMAN MCLEOD RAMSAY .. .. ..
1889 Jan. 8.	WILSON, WM. EDWD. CHALLONER ..
1889 Jan. 22.	WILSON, WILLIAM HENRY ..
1892 Nov. 22.	WINDER, OLIVER ..
1888 Feb. 7.	WOLFENDEN, BENJAMIN JAMES ..
1890 May 13.	WOLFF, CHAS. ERNEST, B.Sc. ..
1890 Feb. 18.	WOOD, FRANCIS ..
1891 Dec. 8.	WOOD, GEORGE CROFT ORWIN ..
1891 Dec. 8.	WOOD, HENRY MILLS ..
1891 Nov. 9.	WOOD, HERVEY ALAN ..
1891 Nov. 3.	WOOD, WILLIAM RICHARD ..
1889 May 21.	WOODWARD, HY. RICHID. KEMP ..
1892 Jan. 26.	WORKMAN, FREDC. DICKINSON ..
1889 Jan. 15.	WORNUM, JOHN RUSKIN ..
1886 Dec. 7.	WORTH, RD. GEO. HANSFORD ..
1888 Nov. 20.	WRENCH, FRANCIS HOULTON ..
1891 Feb. 10.	{ WREY, GERALD BOURCHIER SHERARD .. .. ..
1889 Dec. 17.	WRIGHT, ERNEST ..
1888 Nov. 13.	WYATT-SMITH, ALAN ..
1892 Nov. 8.	WYMAN, RONALD ..
1892 Mar. 15.	XAVIER, ISIDORE MICHAEL ..
m † 1887 Dec. 13.	YEAMAN, CHARLES HENRY ..
1889 Jan. 15.	YOUNG, ALFRED ERNEST ..
1889 Feb. 5.	YOUNG, JAMES ..
1890 Apr. 1.	ZIEGLER, GEO. HEARSEY OTTO ..
Total number of Students .. ..	
	43 Cecil Road, Upton Manor, Essex.
	Punt Rd., East Melbourne, Victoria.
	Eng.'s Office, L. & Y. Ry., Manchester.
	106 Hazelville Rd., Hornsey Lane, N.
	J. H. Greathead, 15 Victoria St., S.W.
	5 Sussex Terrace, Plymouth.
	G. P. O. Calcutta.
	Town End, Chapel-en-le-Frith. [E.
	194 Evering Road, Upper Clapton,
	20 Wellington Street, New Swindon.
	No. Staffs. Ry., Stoke-on-Trent.
	10 St. Michael's Ter., Stoke, Devon-
	Rotorna, Harrow. [port.
	Ship Canal, Weston Point, Ruincorn.
	North Brow, Elsworthy Road, N.W.
	57 Elizabeth St., Eaton Square, S.W.
	P.W.D., Roorkee, India.
	Borough Engineer's Office, Town Hall, Cardiff.
	Rutlands, Waddon New Rd., Croydon.
	Local Bd., Toxteth Pk., Liverpool.
	Busby, by Glasgow.
	13 Elm Park Road, Chelsea, S.W.
	Eng.'s Office, N. E. Ry., York.
	The Bank, Alfreton, Derbyshire.
	6 Croydon Grove, Croydon.
	Victoria Road, Heaton, Bolton.
	Surveyor's Off., Town Hall, Southport.
	Brook Cottage, Ockbrook, Derby.
	City Surveyor's Office, Wakefield.
	3 Ombersley Road, Newport, Mon.
	South Lawn, Chislehurst.
	Princes Rd., Jamalpur, Bengal.
	Hurworth, Stonebridge Pk., Willesden.
	G.W.Ry., Millbay Station, Plymouth.
	11 Ampthill Square, N.W.
	5 Clarence Terrace, Rochester.
	42 George Street, Plymouth.
	V .. Harbour, Northumber-
	Tupton, near Derby. [land.
	The Willows, Harlesden, N.W.
	78 Lansdowne Rd., Notting Hill, W.
	18 Putney Hill, S.W.
	Water Dept., Victoria, Hong Kong.
	18 Station Rd., Prescot, Lancs.
	Survey Office, Taiping, Perak, S.S.
	Caerleon, Bearsden, N.B.
	Scotland House, Stourbridge.
	811.

$$\begin{matrix} \vdash & \tilde{l} \\ \vdash t \end{matrix}$$

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1              London  
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